

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2320227959
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Enterprise Field Services, LLC	OGRID: 241602
Contact Name: Thomas Long	Contact Telephone: 505-599-2286
Contact email: tjlong@eprod.com	Incident # (assigned by OCD) nAPP2320227959
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401	

Location of Release Source

Latitude **36.388721** Longitude **-107.451505** (NAD 83 in decimal degrees to 5 decimal places)

Site Name Salazar #12 PC	Site Type Natural Gas Gathering Pipeline
Date Release Discovered: 07/20/2023	Serial Number (if applicable): N/A

Unit Letter	Section	Township	Range	County
G	22	25N	6W	Rio Arriba

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: **BLM**)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls): Estimated 10-15 BBLs	Volume Recovered (bbls): None
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf): 2.4 MCF	Volume Recovered (Mcf): None
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units):	Volume/Weight Recovered (provide units)

Cause of Release On July 10, 2023, Enterprise had a release of natural gas and natural gas liquids from the Salazar #12 PC pipeline. The pipeline was isolated, depressurized, locked and tagged out. No fire nor injuries occurred. No liquids were observed on the ground surface. Repairs and remediation began on July 20, 2023, at which time Enterprise determined the release reportable per NMOCC regulation due the volume of impacted subsurface soil. The final excavation dimensions measured approximately 80 feet long by 31 feet wide by 16 feet deep. A total of 728 cubic yards of hydrocarbon impacted soil was excavated and transported to a New Mexico Oil Conservation Division (NMOCD) approved land farm. A third party closure report is included with this "Final" C-141.

Incident ID	NAPP2320227959
District RP	
Facility ID	
Application ID	

Closure

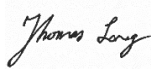
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Thomas Long Title: Senior Environmental Scientist

Signature:  Date: 10-16-2023

email: tjlong@eprod.com Telephone: (505) 599-2286

OCD Only

Received by: Shelly Wells Date: 10/16/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 02/02/2024

Printed Name: Nelson Velez Title: Environmental Specialist - Adv



CLOSURE REPORT

Property:

Salazar #12 PC (07/20/23)
Unit Letter G, S22 T25N R6W
Rio Arriba County, New Mexico

New Mexico EMNRD OCD Incident ID No. NAPP2320227959

October 10, 2023

Ensolum Project No. 05A1226251

Prepared for:

Enterprise Field Services, LLC
614 Reilly Avenue
Farmington, NM 87401
Attn: Mr. Thomas Long

Prepared by:

Ranee Deechilly
Project Manager

Kyle Summers
Senior Managing Geologist

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1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise)
Site Name:	Salazar #12 PC (07/20/23) (Site)
NM EMNRD OCD Incident ID No.	NAPP2320227959
Location:	36.388721° North, 107.451505° West Unit Letter G, Section 22, Township 25 North, Range 6 West Rio Arriba County, New Mexico
Property:	United States Bureau of Land Management (BLM)
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On July 10, 2023, a release of natural gas from the Salazar #12 PC pipeline was identified by a third party. Enterprise verified a release and subsequently isolated and locked the pipeline out of service. On July 20, 2023, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact. In addition, Enterprise determined the release was “reportable” due to the estimated volume of impacted soil. The NM EMNRD OCD was subsequently notified.

A **Topographic Map** depicting the location of the Site is included as **Figure 1**, and a **Site Vicinity Map** is included as **Figure 2** in **Appendix A**.

1.2 Project Objective

The primary objective of the closure activities was to reduce constituent of concern (COC) concentrations in the on-site soils to below the applicable NM EMNRD OCD closure criteria.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the NM EMNRD OCD. Ensolum, LLC (Ensolum) referenced New Mexico Administrative Code (NMAC) 19.15.29 *Releases*, which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action, during the evaluation and remediation of the Site. The appropriate closure criteria for sites are determined using the siting requirements outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC. Ensolum utilized the general site characteristics and information available from NM state agency databases and federal agency geospatial databases to determine the appropriate closure criteria for the Site. Supporting figures and documentation associated with the following Siting bullets are provided in **Appendix B**.

- The NM Office of the State Engineer (OSE) tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. Water wells and other points of diversion (PODs) are each assigned POD numbers in the database (which is searchable and includes an interactive map). No PODs were identified in the same Public Land Survey System (PLSS) section as the Site. One POD (SJ-00681) with a recorded depth to water was identified in an adjacent section. The depth to water for this POD is list listed as 80 feet below grade surface (bgs). This POD is approximately 1.1 miles southwest of the Site and approximately 32 feet lower in elevation than the Site (**Figure A, Appendix B**).

- Three cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database in the adjacent PLSS sections. These CPWs are depicted on **Figure B (Appendix B)**. Documentation for the cathodic protection well located near the Canyon Largo #409 well locations indicate a depth to water at 150 feet bgs and 400 feet bgs. This cathodic protection well is located approximately 1.1 miles north of the Site and is approximately 300 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the Canyon Largo Unit #229 well location indicates a depth to water of approximately 125 feet bgs. This cathodic protection well is located approximately 1.2 miles northeast of the Site and is approximately 166 feet higher in elevation than the Site. Documentation for the cathodic protection well located near the Canyon Largo Units #279 and #13 well locations indicate a depth to water of approximately 100 feet bgs. This cathodic protection well is located approximately 1.6 miles northeast of the Site and is approximately 298 feet higher in elevation than the Site.
- The Site is not located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse (**Figure C, Appendix B**).
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church (**Figure D, Appendix B**).
- No springs, or private domestic freshwater wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (**Figure E, Appendix B**).
- No freshwater wells or springs were identified within 1,000 feet of the Site (**Figure E, Appendix B**).
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not within 300 feet of a wetland (**Figure F, Appendix B**).
- Based on information identified in the NM Mining and Minerals Division's Geographic Information System (GIS) Maps and Mine Data database, the Site is not within an area overlying a subsurface mine (**Figure G, Appendix B**).
- The Site is not located within an unstable area per Paragraph (6) of Subsection U of 19.15.2.7 NMAC.
- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database, the Site is not within a 100-year floodplain (**Figure H, Appendix B**).

Based on available information and due to the elevation and proximity of the Gonzalez Canyon Wash, the applicable closure criteria for soils remaining in place at the Site include:

Tier I Closure Criteria for Soils Impacted by a Release		
Constituent ¹	Method	Limit
Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg
TPH (GRO+DRO+MRO) ²	EPA SW-846 Method 8015	100 mg/kg
BTEX ³	EPA SW-846 Method 8021 or 8260	50 mg/kg
Benzene	EPA SW-846 Method 8021 or 8260	10 mg/kg

¹ – Constituent concentrations are in milligrams per kilogram (mg/kg).

² – Total Petroleum Hydrocarbons (TPH). Gasoline Range Organics (GRO). Diesel Range Organics (DRO). Motor Oil/Lube Oil Range Organics (MRO).

³ – Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

3.0 SOIL REMEDIATION ACTIVITIES

On July 20, 2023, Enterprise initiated activities to repair the pipeline and remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, West States Energy Contractors Inc, (WSEC), provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 80 feet long and 38 feet wide at the maximum extent. The maximum depth of the excavation measured approximately 16 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of silty clay and silty sand.

Approximately 748 cubic yards (yd³) of petroleum hydrocarbon-affected soil and 25 barrels (bbls) of hydro-excavation soil cuttings and water were transported to the Envirotech, Inc., (Envirotech) landfarm in San Juan County, NM for disposal/remediation. The executed C-138 solid waste acceptance forms are provided in **Appendix C**. The excavation was backfilled with imported fill and then contoured to the surrounding topography.

Figure 3 is a map that identifies approximate soil sample locations and depicts the approximate dimensions of the excavation with respect to the pipeline (**Appendix A**). Photographic documentation of the field activities is included in **Appendix D**.

4.0 SOIL SAMPLING PROGRAM

Ensolum field screened the soil samples from the excavation utilizing a calibrated Dexsil PetroFLAG[®] hydrocarbon analyzer system and a photoionization detector (PID) fitted with a 10.6 eV lamp to guide excavation extents.

Ensolum's soil sampling program included the collection of 31 composite soil samples (S-1 through S-31) from the excavation for laboratory analysis. In addition, three composite soil samples (SP-1 through SP-3) were collected from segregated, apparently unaffected stockpiled overburden soils to determine if the material was suitable to use as backfill. The composite samples were comprised of five aliquots each and represent an estimated 200 square foot (ft²) or less sample area per guidelines outlined in Section D of 19.15.29.12 NMAC. Hand tools or the excavator bucket were utilized to obtain fresh aliquots from each area of the excavation. Regulatory correspondence is provided in **Appendix E**.

First Sampling Event

On July 24, 2023, sampling was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-1 (7'), S-2 (7'), S-3 (7'), and S-4 (7') were collected from the floor of the excavation.

Composite soil samples S-5 (0' to 7'), S-6 (0' to 7'), S-7 (0' to 7'), S-8 (0' to 7'), S-9 (0' to 7'), S-10 (0' to 7'), S-11 (0' to 7'), S-12 (0' to 7'), S-13 (0' to 7'), and S-14 (0' to 7') were collected from the walls of the excavation. Composite soil samples SP-1 through SP-3 were collected from the segregated stockpiled soils to verify that the soil did not exhibit COC impact and that it was suitable for use as backfill. Subsequent soil analytical results identified total BTEX, TPH, and chloride concentrations that exceeded the NM EMNRD OCD closure criteria for composite soil samples S-2, S-8, and S-12.

Second Sampling Event

In response to the exceedances of composite samples S-2, S-8, and S-12 during the first sampling event, the impacted soils were removed by excavation and transported to the landfarm for disposal/remediation. On August 3, 2023, sampling was again performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-15 (16'), S-16 (14'), S-17 (14'), S-18 (16'), S-19 (14'), and S-20 (14') were collected from the floor of the excavation. Composite soil samples S-21 (0' to 16'), S-22 (0' to 16'), S-23 (0' to 14'), S-24 (0' to 14'), S-25 (0' to 14'), S-26 (0' to 14'), S-27 (0' to 14'), S-28 (0' to 14'), S-29 (0' to 14'), S-30 (0' to 16'), and S-31 (0' to 16') were collected from the walls of the excavation.

All soil samples were collected and placed in laboratory-prepared glassware. The containers were labeled and sealed using the laboratory-supplied labels and custody seals and were stored on ice in a cooler. The samples were relinquished to the courier for Hall Environmental Analysis Laboratory of Albuquerque, NM, under proper chain-of-custody procedures.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX using Environmental Protection Agency (EPA) SW-846 Method 8021; TPH GRO/DRO/MRO using EPA SW-846 Method 8015; and chlorides using EPA Method 300.0.

The laboratory analytical results are summarized in **Table 1 (Appendix F)**. The laboratory data sheets and executed chain-of-custody forms are provided in **Appendix G**.

6.0 SOIL DATA EVALUATION

Ensolum compared the benzene, BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (S-1, S-3 through S-7, S-9 through S-11, S-13 through S-31, and SP-1 through SP-3) to the applicable NM EMNRD OCD closure criteria. The soils associated with composite soil samples S-2, S-8, and S-12 were removed from the Site, and therefore, are not included in the following discussion. The laboratory analytical results are summarized in **Table 1 (Appendix F)**.

- The laboratory analytical results for composite soil samples S-15 and S-26 indicate benzene concentrations of 0.033 mg/kg and 0.050 mg/kg, respectively, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg. The laboratory analytical results for all other composite soil samples associated with soil remaining at the Site indicate total benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical results for composite soil samples S-3, S-15, S-22, and S-26 indicate total BTEX concentrations of 0.29 mg/kg, 0.033 mg/kg, 0.047 mg/kg, and 0.050 mg/kg,

respectively, which are less than the New Mexico EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for all other composite soil samples associated with soil remaining at the Site indicate total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 50 mg/kg.

- The laboratory analytical results for composite soil samples S-3, S-4, S-13, S-14, SP-1, and SP-3 indicate total combined TPH GRO/DRO/MRO concentrations ranging from 10 mg/kg (S-4 and S-14) to 60 mg/kg (S-3), which are less than the New Mexico EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for all other composite soil samples associated with soil remaining at the Site indicate total combined TPH GRO/DRO/MRO is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the New Mexico EMNRD OCD closure criteria of 100 mg/kg.
- The laboratory analytical results for composite soil samples S-3, S-9, S-13 through S-15, S-21 through S-24, and S-27 through S-29 indicate chloride concentrations ranging from 69 mg/kg (S-15) to 280 mg/kg (S-3), which are less than the NM EMNRD OCD closure criteria of 600 mg/kg. The laboratory analytical results for all other composite soil samples associated with soil remaining at the Site indicate chloride is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the NM EMNRD OCD closure criteria of 600 mg/kg.

7.0 RECLAMATION AND REVEGETATION

The excavation was backfilled with imported fill and then contoured to the surrounding topography.

8.0 FINDINGS AND RECOMMENDATION

- Thirty-four composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, BTEX, chloride, or total combined TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.
- Approximately 748 yd³ of petroleum hydrocarbon-affected soil and 25 bbls of hydro-excavation soil cuttings and water were transported to the Envirotech landfarm for disposal/remediation. The excavation was backfilled with imported fill and then contoured to the surrounding topography.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties).

9.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work, and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendation are based solely upon data available to Ensolum at the time of these services.

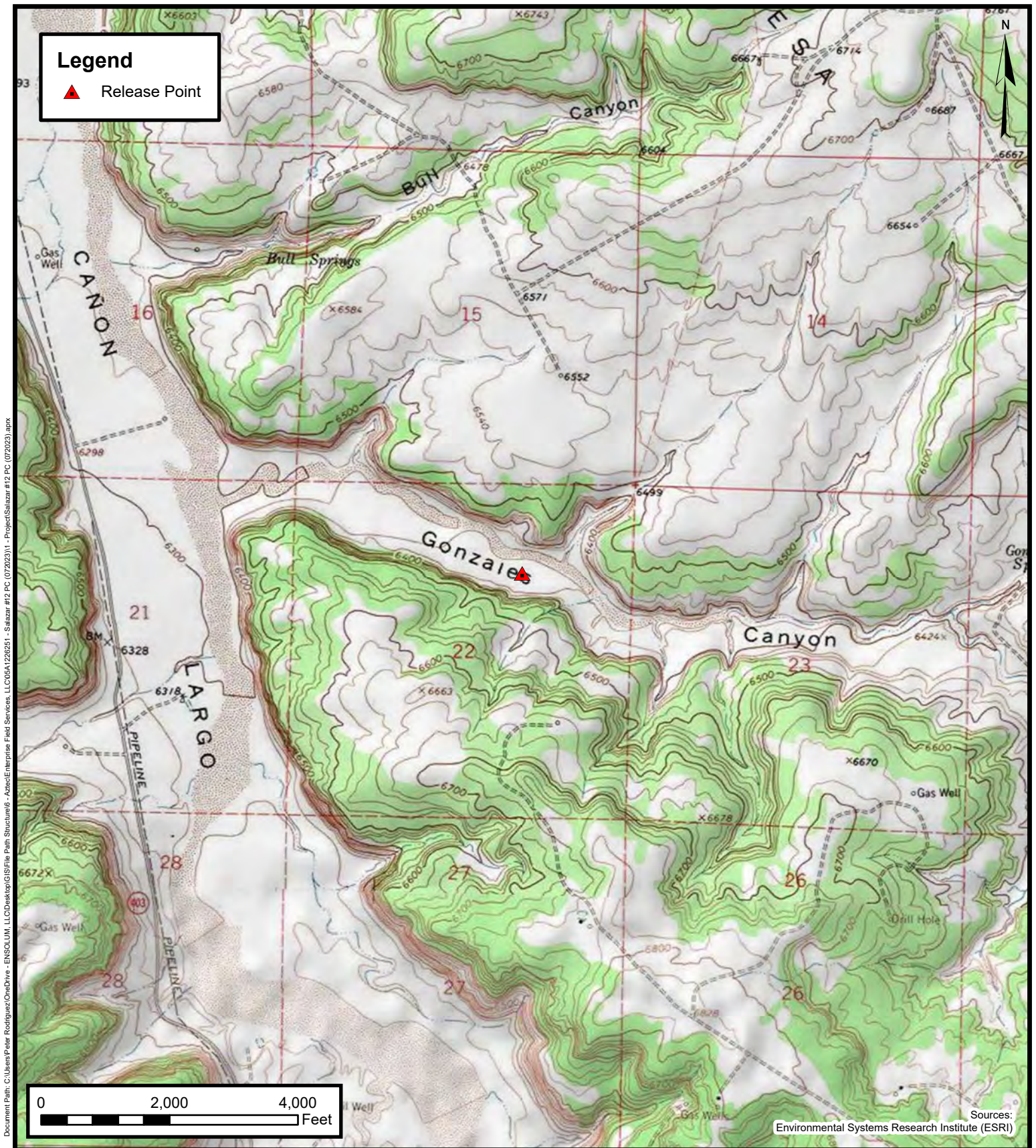
9.3 Reliance

This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the Closure Report and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.



APPENDIX A

Figures



Topographic Map

Enterprise Field Services, LLC

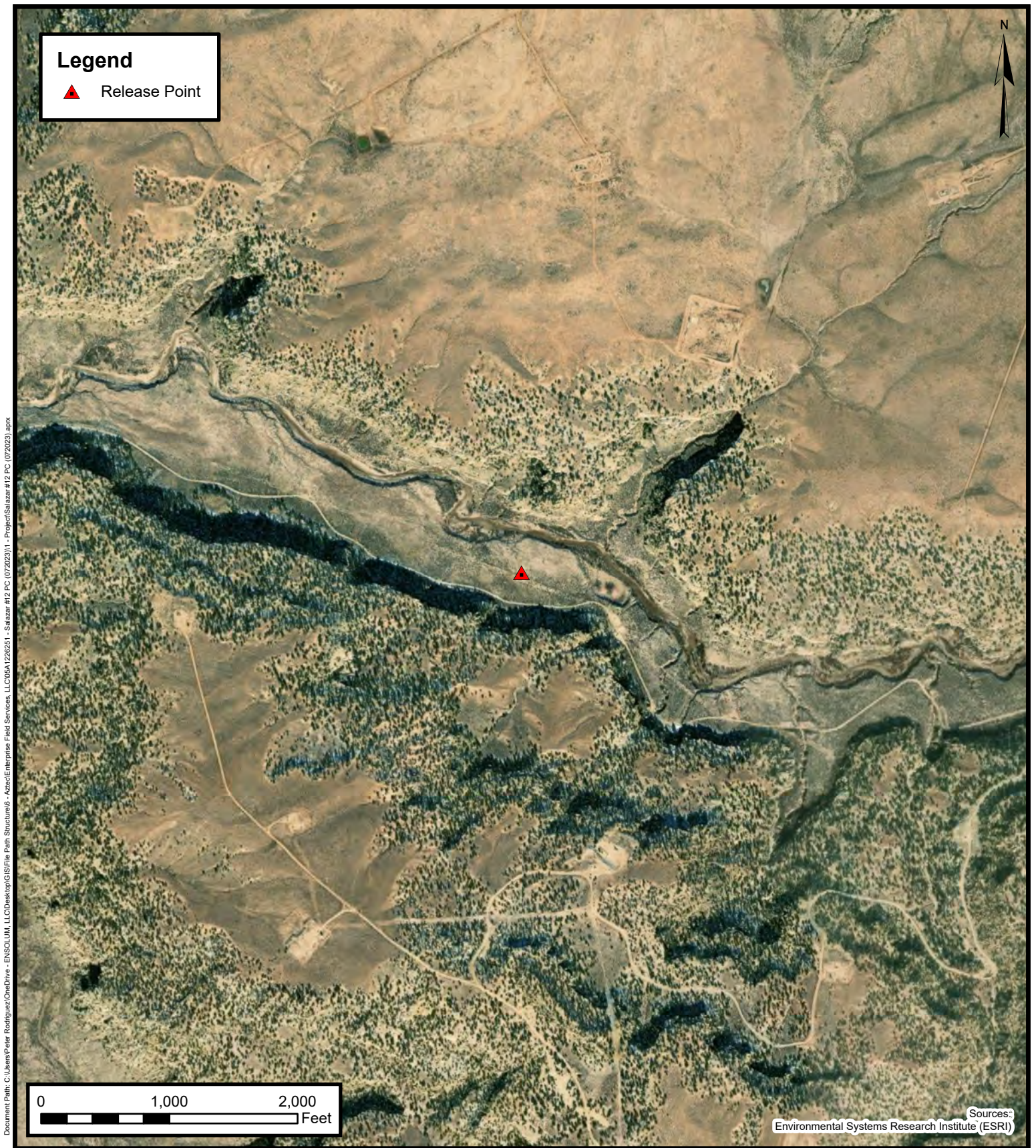
Salazar #12 PC (07/20/23)

Project Number: 05A1226251

Unit Letter G, S22 T25N R6W, Rio Arriba County, New Mexico
36.388721, -107.451505

FIGURE

1



Site Vicinity Map

Enterprise Field Services, LLC

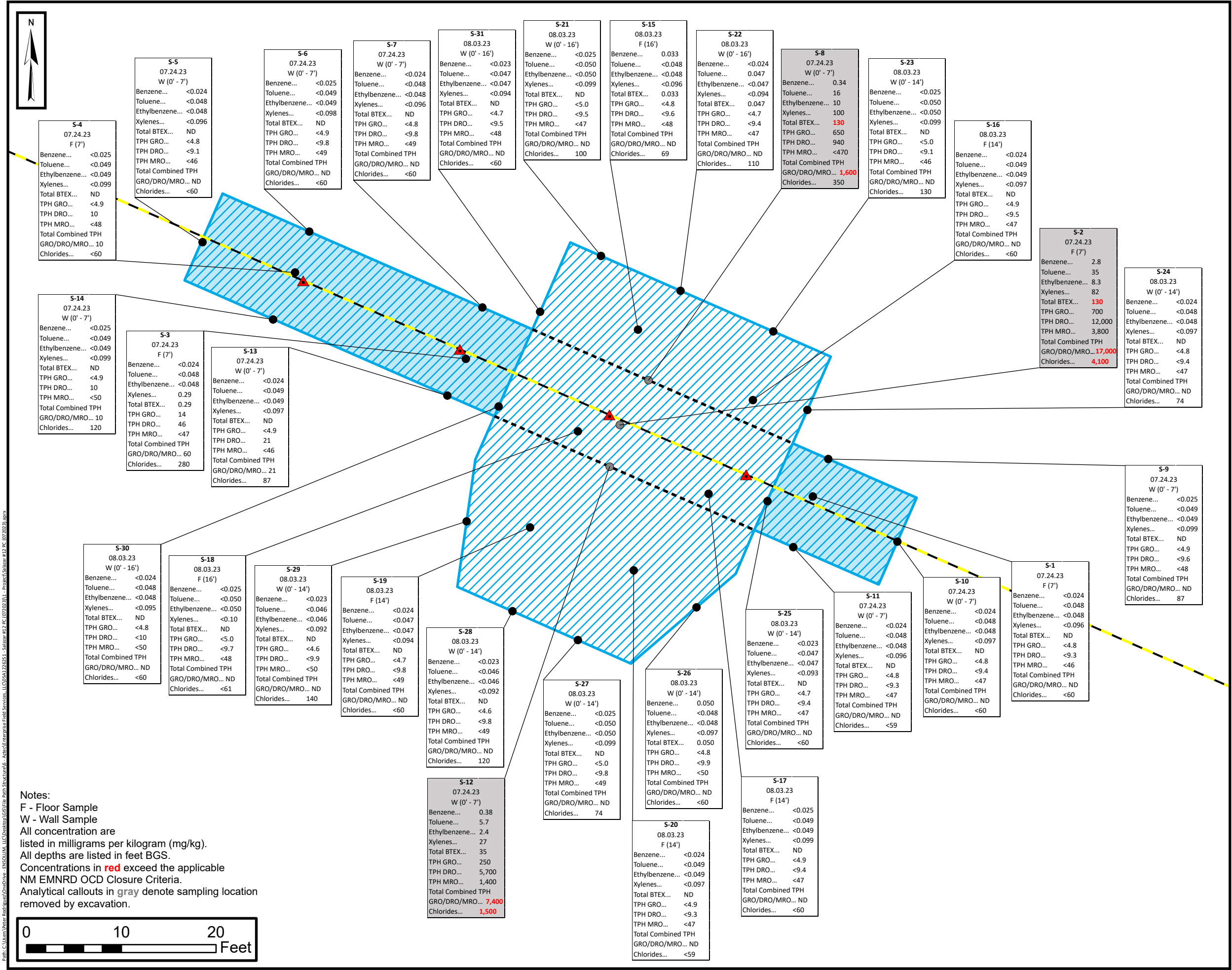
Salazar #12 PC (07/20/23)

Project Number: 05A1226251

Unit Letter G, S22 T25N R6W, Rio Arriba County, New Mexico
36.388721, -107.451505

FIGURE

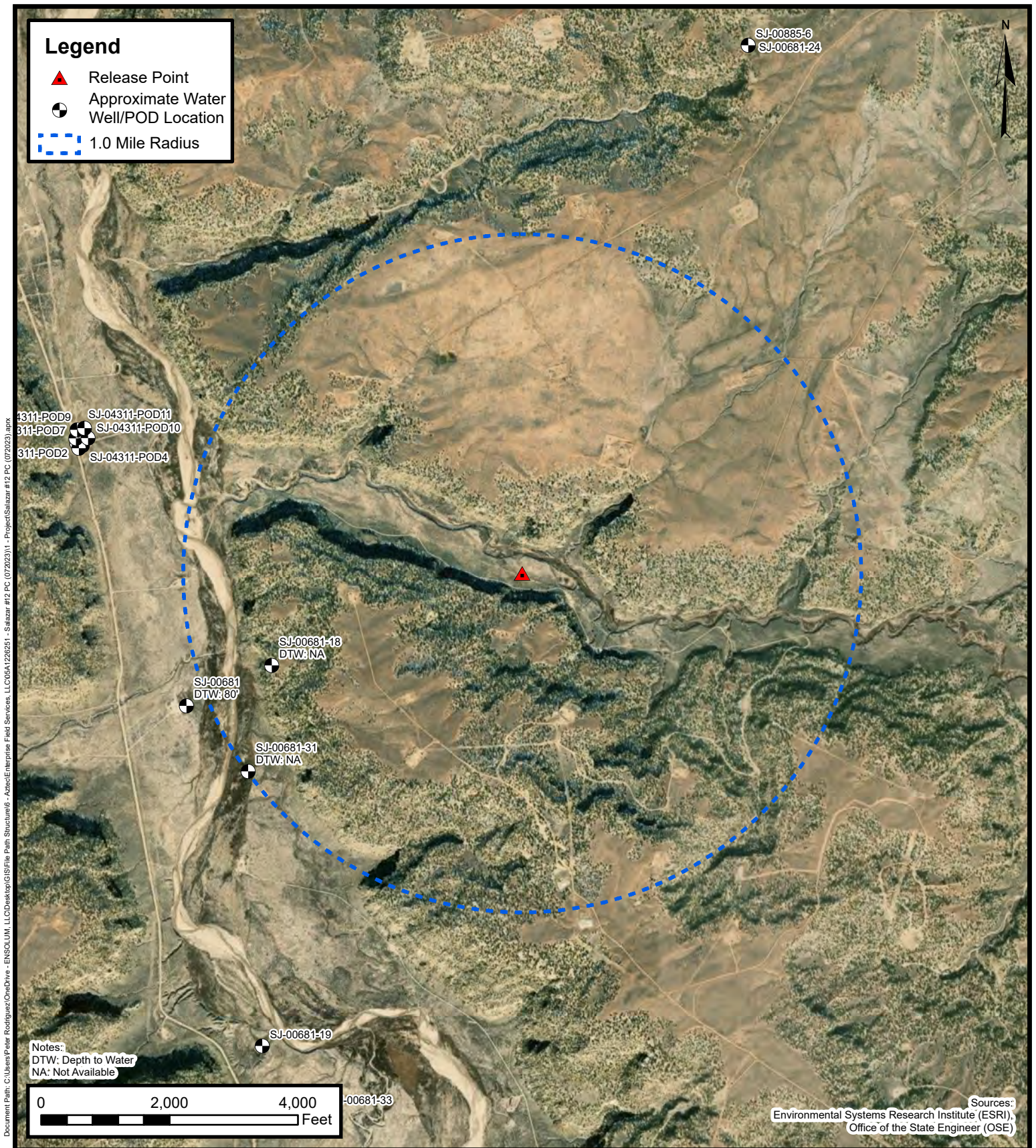
2





APPENDIX B

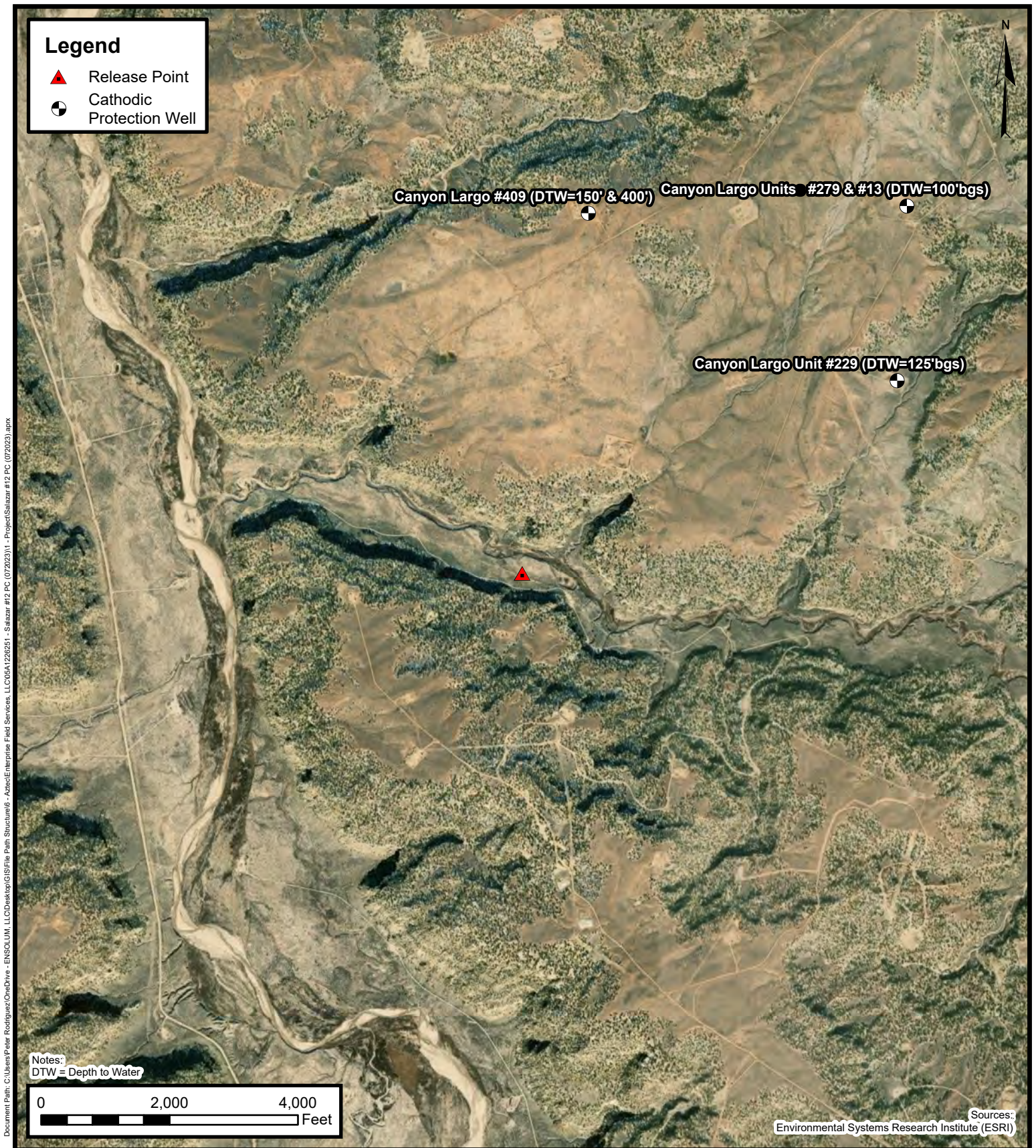
Siting Figures and Documentation



1.0 Mile Radius Water Well/POD Location Map

Enterprise Field Services, LLC
Salazar #12 PC (07/20/23)
Project Number: 05A1226251
Unit Letter G, S22 T25N R6W, Rio Arriba County, New Mexico
36.388721, -107.451505

FIGURE
A



Cathodic Protection Well Recorded Depth to Water

Enterprise Field Services, LLC

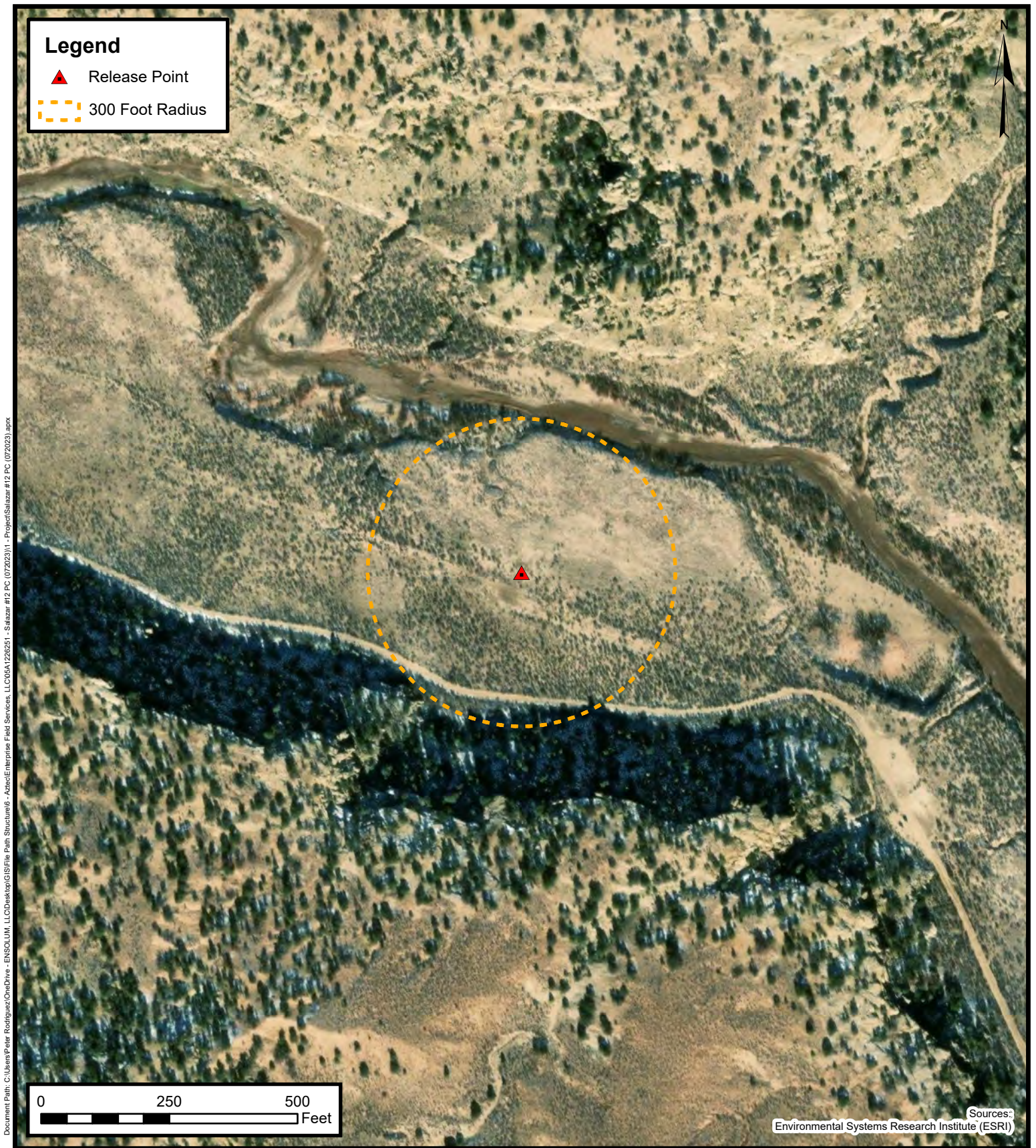
Salazar #12 PC (07/20/23)

Project Number: 05A1226251

Unit Letter G, S22 T25N R6W, Rio Arriba County, New Mexico
36.388721, -107.451505

FIGURE

B



**300 Foot Radius Occupied
Structure Identification**

Enterprise Field Services, LLC
Salazar #12 PC (07/20/23)

Project Number: 05A1226251

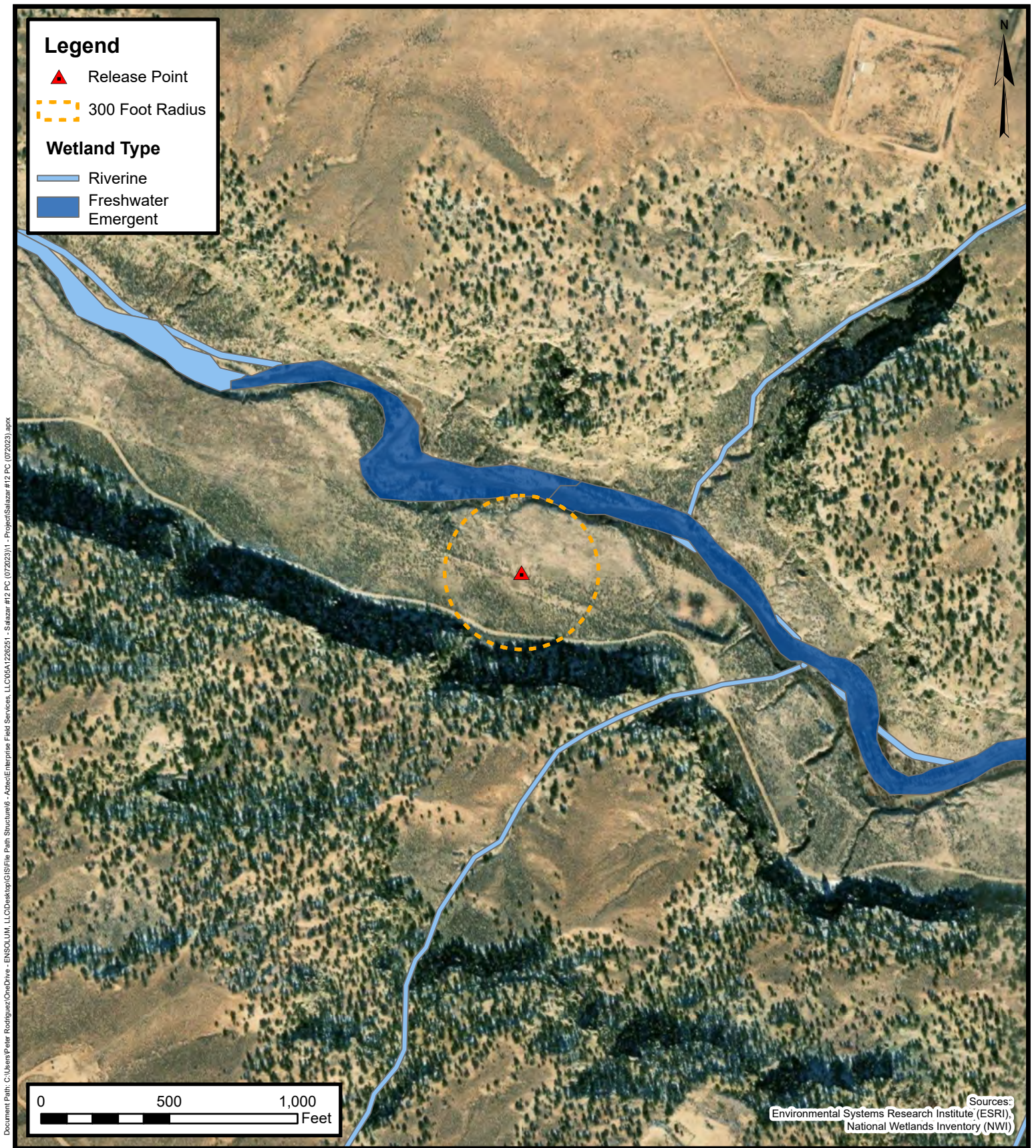
Unit Letter G, S22 T25N R6W, Rio Arriba County, New Mexico
36.388721, -107.451505

**FIGURE
D**



**Water Well and
Natural Spring Location**
Enterprise Field Services, LLC
Salazar #12 PC (07/20/23)
Project Number: 05A1226251
Unit Letter G, S22 T25N R6W, Rio Arriba County, New Mexico
36.388721, -107.451505

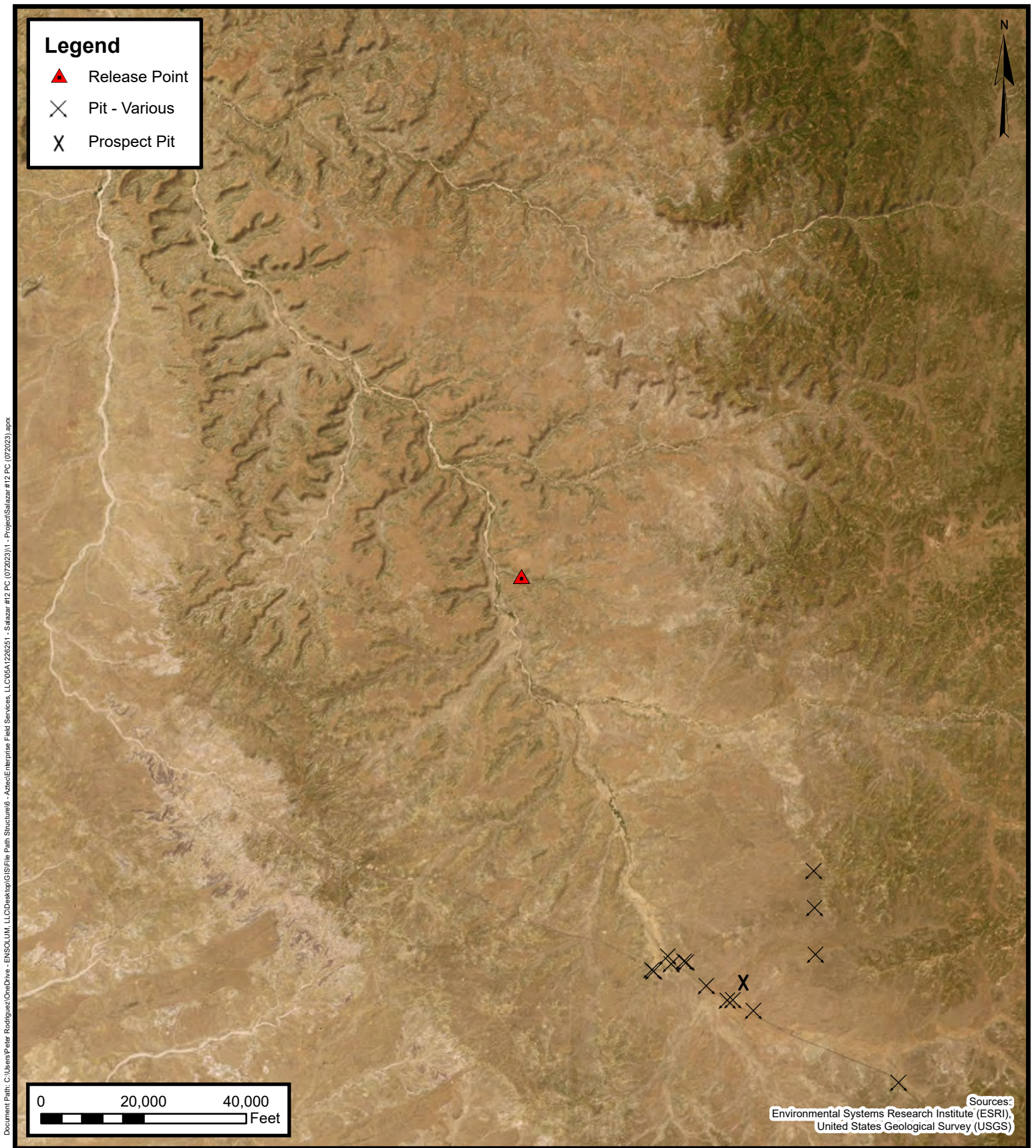
**FIGURE
E**



Wetlands

Enterprise Field Services, LLC
Salazar #12 PC (07/20/23)
Project Number: 05A1226251
Unit Letter G, S22 T25N R6W, Rio Arriba County, New Mexico
36.388721, -107.451505

FIGURE
F



Mines, Mills, and Quarries

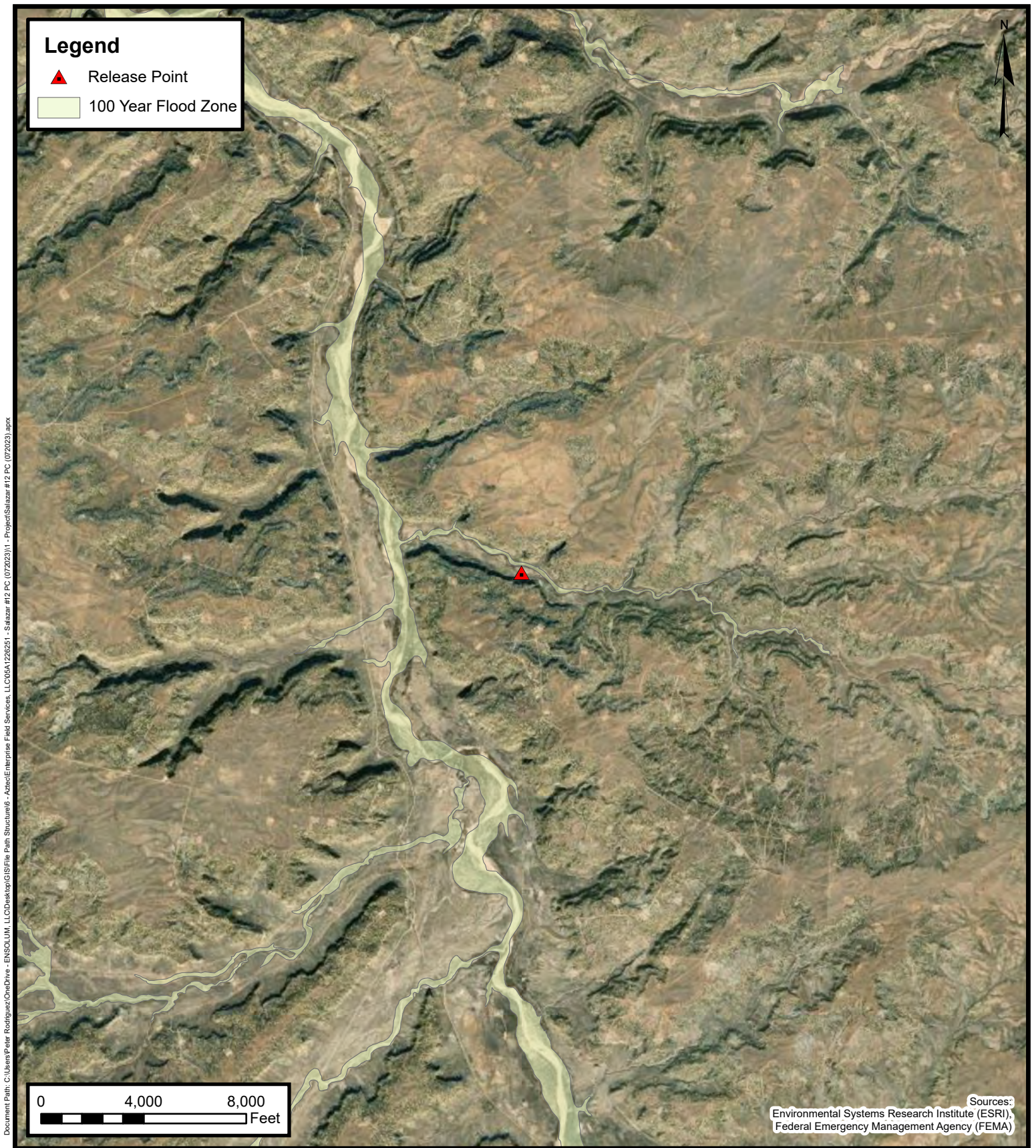
Enterprise Field Services, LLC
Salazar #12 PC (07/20/23)

Project Number: 05A1226251

Unit Letter G, S22 T25N R6W, Rio Arriba County, New Mexico
36.388721, -107.451505

FIGURE

G



ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants

100-Year Flood Plain Map

Enterprise Field Services, LLC
Salazar #12 PC (07/20/23)
Project Number: 05A1226251
Unit Letter G, S22 T25N R6W, Rio Arriba County, New Mexico
36.388721, -107.451505

FIGURE
H



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
SJ 00681	SJ	RA		4	1	4	21	25N	06W	278527	4029227*		80	

Average Depth to Water: **80 feet**

Minimum Depth: **80 feet**

Maximum Depth: **80 feet**

Record Count: 1

PLSS Search:

Section(s): 22, 14, 15, 16, 21, 23, 26, 27, 28
Township: 25N
Range: 06W

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

7/20/23 7:19 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc Location: Unit A Sec. 15 Twp 25 Rng 06

Name of Well/Wells or Pipeline Serviced _____

CANYON LA190 #409Elevation 660' Completion Date 6-1-95 Total Depth 478' Land Type FCasing Strings, Sizes, Types & Depths 3/31 Set 99' of 8" PVC Casing.NO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASING.If Casing Strings are cemented, show amounts & types used CementedWITH 19 SACKS.

If Cement or Bentonite Plugs have been placed, show depths & amounts used

No plugs

Depths & thickness of water zones with description of water: Fresh, Clear,

Salty, Sulphur, Etc. 150' and 400' and was clear.Depths gas encountered: no gasGround bed depth with type & amount of coke breeze used: 478' with137 (50 lb sacks) of Asbury 218RDepths anodes placed: #1 is at 475' #15 is at 245'Depths vent pipes placed: Bottom to SurfaceVent pipe perforations: up to 128'

Remarks: _____

RECEIVED
JAN 11 1996OIL CON. DIV.
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

..... LIT = 30-037-20888
 13 = 30-039-06044

3636

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO

Operator Meridian Oil Inc. Location: Unit A Sec. 14 Twp 25 Rng 06

Name of Well/Wells or Pipeline Serviced _____

CANYON LATRO UNITS #279, AND #13

Elevation 6659' Completion Date 7/27/93 Total Depth 337' Land Type F

Casing Strings, Sizes, Types & Depths 6/17 SET 59' OF 8" PVC CASING.

NO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASING.

If Casing Strings are cemented, show amounts & types used Cemented

WITH 11 SACKS.

If Cement or Bentonite Plugs have been placed, show depths & amounts used

NONE

Depths & thickness of water zones with description of water: Fresh, Clear,

Salty, Sulphur, Etc. HIT WATER AT 100', AND MORE A 240'.

WATER WAS FRESH, AND A WATER SAMPLE WAS TAKEN.

Depths gas encountered: NONE

Ground bed depth with type & amount of coke breeze used: DEPTH 337'.

USED 90 SACKS OF ASBURY 218R (4500#)

Depths anodes placed: 310', 304', 299', 293', 205', 198', 156', 149', 144', 139', 133', 127', 121', 116', + 110'

Depths vent pipes placed: SURFACE TO 337'.

Vent pipe perforations: BOTTOM 230'.

Remarks: _____

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JAN 31 1994

OIL CON. DIV.
 DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
 If Federal or Indian, add Lease Number.

#229 30-039-20791

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Meridian Oil Inc. Location: Unit I Sec. 14 Twp. 25 Rng. 06

Name of Well/Wells or Pipeline Serviced _____

CANYON LAT90 UNIT #229Elevation 6527 Completion Date 7/28/93 Total Depth 467' Land Type FCasing Strings, Sizes, Types & Depths 6/19 SET 59' OF 8" PVC CASING.NO GAS, WATER, OR BOULDERS WERE ENCOUNTERED DURING CASING.If Casing Strings are cemented, show amounts & types used Cemented
WITH 12 SACKS.If Cement or Bentonite Plugs have been placed, show depths & amounts used
NONEDepths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. HIT FRESH WATER AT 125', AND MORE AT 220'.
WATER SAMPLE WAS TAKEN.Depths gas encountered: NONEGround bed depth with type & amount of coke breeze used: 467' Depth.
Used 134 SACKS OF ASBURY 218R (6700#).Depths anodes placed: 435', 429', 420', 413', 407', 401', 395', 387', 365', 291', 285', 279', 157', 151', + 145'Depths vent pipes placed: SURFACE TO 467'.Vent pipe perforations: BOTTOM 360'.

Remarks: _____

RECEIVED

JAN 31 1994

OIL CON. DIV.

DIST. 2

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.



APPENDIX C

Executed C-138 Solid Waste Acceptance Forms

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:

Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

PayKey: AM14058
PM: Dwayne Dixon
AFE: N66835

2. Originating Site:

Salazar #12 PC

July 2023

3. Location of Material (Street Address, City, State or ULSTR):

UL G Section 22 T25N R6W; 36.388721, -107.451505

4. Source and Description of Waste:

Source: Remediation activities associated with a natural gas pipeline leak.

Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release.

Estimated Volume 50 yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) 25 yd³ (bbls)

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long *Thomas Long*, representative or authorized agent for Enterprise Products Operating do hereby

Generator Signature

certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. Operator Use Only: Waste Acceptance Frequency ☐ Monthly ☐ Weekly ☐ Per Load

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long *Thomas Long* 7-20-2023, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete

Generator Signature

the required testing/sign the Generator Waste Testing Certification.

I, Greg Crabtree, representative for Envirotech, Inc. do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter: Riley Industrial or Enterprise subcontractors.

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: NM 01-0011

Address of Facility: Hilltop, NM

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree

SIGNATURE: *Greg Crabtree*

Surface Waste Management Facility Authorized Agent

TITLE: Enviro Manager

TELEPHONE NO.:

505-632-0615

DATE: 7/20/23

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised 08/01/11

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:

Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

PayKey: AM14058

PM: Dwayne Dixon

AFE: N66835

2. Originating Site:

Salazar #12 PC

3. Location of Material (Street Address, City, State or ULSTR):

UL G Section 22 T25N R6W; 36.388721, -107.451505

Aug - Sept. 2023

4. Source and Description of Waste:

Source: Remediation activities associated with a natural gas pipeline leak.

Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release.

Estimated Volume 50 yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) 748 yd³ bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long *Thomas Long*, representative or authorized agent for Enterprise Products Operating do hereby

Generator Signature

certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. Operator Use Only: Waste Acceptance Frequency ☐ Monthly ☐ Weekly ☐ Per Load

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long *Thomas Long* 8-28-2023, representative for Enterprise Products Operating authorizes Envirotech, Inc. to complete

Generator Signature

the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for Envirotech, Inc. do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter: Riley Industrial or Enterprise subcontractors.

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: NM 01-0011

Address of Facility: Hilltop, NM

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree

SIGNATURE: *Greg Crabtree*

TITLE: Enviro Manager

TELEPHONE NO.:

DATE: 8/28/23

505-632-0615

Surface Waste Management Facility Authorized Agent



APPENDIX D

Photographic Documentation

SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Salazar #12 PC (07/20/23)
Ensolum Project No. 05A1226251

**Photograph 1**

Photograph Description: View of the in-process excavation activities.

**Photograph 2**

Photograph Description: View of excavation (first sampling event).

**Photograph 3**

Photograph Description: View of the in-process excavation activities.



SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Salazar #12 PC (07/20/23)
Ensolum Project No. 05A1226251

**Photograph 4**

Photograph Description: View of the in-process excavation activities.

**Photograph 5**

Photograph Description: View of the final excavation (second sampling event).

**Photograph 6**

Photograph Description: View of the site after initial restoration.



SITE PHOTOGRAPHS

Closure Report
Enterprise Field Services, LLC
Salazar #12 PC (07/20/23)
Ensolum Project No. 05A1226251



Photograph 7

Photograph Description: View of the site after initial restoration.






APPENDIX E

Regulatory Correspondence

From: [Kyle Summers](#)
To: [Ranee Deechilly](#)
Subject: FW: [EXTERNAL] Salazar #12 PC - UL G Section 22 T25N R6A; 36.388721, -107.451505; NMOCD Incident # nAPP2320227959
Date: Wednesday, August 2, 2023 2:56:15 PM
Attachments: [Outlook-a3pml0a5.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)



Kyle Summers

Principal
903-821-5603
Ensolum, LLC
in f 

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Wednesday, August 2, 2023 2:06 PM
To: Long, Thomas <tjlong@eprod.com>; 'aadeloye@blm.gov' <aadeloye@blm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>
Subject: Re: [EXTERNAL] Salazar #12 PC - UL G Section 22 T25N R6A; 36.388721, -107.451505; NMOCD Incident # nAPP2320227959

[**EXTERNAL EMAIL**]

Tom,

Thank you for the notice. Your variance request specifically addressing 19.15.29.12D (1a) NMAC is approved.

If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC or from an OCD pre-approved sampling plan. For whatever reason, if the sampling timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of this change may result in the closure sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

<http://www.emnrd.state.nm.us/OCD/>



From: Long, Thomas <tjlong@eprod.com>

Sent: Wednesday, August 2, 2023 1:17 PM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; 'aadeloye@blm.gov' <aadeloye@blm.gov>

Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>

Subject: FW: [EXTERNAL] Salazar #12 PC - UL G Section 22 T25N R6A; 36.388721, -107.451505; NMOCD Incident # nAPP2320227959

Nelson/Emanuel,

This email is a notification and a variance request. Enterprise is requesting a variance for required 48 hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect soil samples for laboratory analysis today August 3, 2023 at :00 a.m. at the Salazar #12 PC excavation. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com



From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Monday, July 24, 2023 8:13 AM
To: Long, Thomas <tjlong@eprod.com>
Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>; 'aadeloye@blm.gov' <aadeloye@blm.gov>
Subject: Re: [EXTERNAL] Salazar #12 PC - UL G Section 22 T25N R6A; 36.388721, -107.451505; NMOCD Incident # nAPP2320227959

[Use caution with links/attachments]

Tom,

Thank you for the notice. Your variance request specifically addressing 19.15.29.12D (1a) NMAC is approved.

If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC or from an OCD pre-approved sampling plan. For whatever reason, if the sampling timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of this change may result in the closure sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

<http://www.emnrd.state.nm.us/OCD/>



From: Long, Thomas <tjlong@eprod.com>

Sent: Monday, July 24, 2023 8:11 AM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Cc: Stone, Brian <bmstone@eprod.com>; Kyle Summers <ksummers@ensolum.com>;
'aadeloye@blm.gov' <aadeloye@blm.gov>

Subject: [EXTERNAL] Salazar #12 PC - UL G Section 22 T25N R6A; 36.388721, -107.451505; NMOCD
Incident # nAPP2320227959

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Nelson/Emanuel,

This email is a notification and a variance request. Enterprise is requesting a variance for required 48 hour notification per 19.15.29.12D (1a) NMAC. Enterprise would like to collect soil samples for laboratory analysis today July 24, 2023 at 12:00 p.m. at the Salazar #12 PC excavation. We will also be sampling several stockpiles of soil to determine if they are suitable for backfill material. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com



This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.



APPENDIX F

Table 1 – Soil Analytical Summary



TABLE 1
Salazar #12 PC (07/20/23)
SOIL ANALYTICAL SUMMARY

Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX ¹ (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) ¹ (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I)				10	NE	NE	NE	50	NE	NE	NE	100	600
Composite Soil Samples Removed by Excavation and Transported to the Landfarm for Disposal/Remediation													
S-2	07.24.23	C	7	2.8	35	8.3	82	130	700	12,000	3,800	17,000	4,100
S-8	07.24.23	C	0 to 7	0.34	16	10	100	130	650	940	<470	1,600	350
S-12	07.24.23	C	0 to 7	0.38	5.7	2.4	27	35	250	5,700	1,400	7,400	1,500
Composite Soil Samples Collected from Stockpiled Soils													
SP-1	07.24.23	C	Stockpile	<0.024	<0.048	<0.048	<0.096	ND	<4.8	18	<49	18	<60
SP-2	07.24.23	C	Stockpile	<0.024	<0.048	<0.048	<0.095	ND	<4.8	<9.5	<48	ND	<59
SP-3	07.24.23	C	Stockpile	<0.024	<0.049	<0.049	<0.098	ND	<4.9	11	<46	11	<60
Excavation Composite Soil Samples													
S-1	07.24.23	C	7	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.3	<46	ND	<60
S-3	07.24.23	C	7	<0.024	<0.048	<0.048	0.29	0.29	14	46	<47	60	280
S-4	07.24.23	C	7	<0.025	<0.049	<0.049	<0.099	ND	<4.9	10	<48	10	<60
S-5	07.24.23	C	0 to 7	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.1	<46	ND	<60
S-6	07.24.23	C	0 to 7	<0.025	<0.049	<0.049	<0.098	ND	<4.9	<9.8	<49	ND	<60
S-7	07.24.23	C	0 to 7	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.8	<49	ND	<60
S-9	07.24.23	C	0 to 7	<0.025	<0.049	<0.049	<0.099	ND	<4.9	<9.6	<48	ND	87
S-10	07.24.23	C	0 to 7	<0.024	<0.048	<0.048	<0.097	ND	<4.8	<9.4	<47	ND	<60
S-11	07.24.23	C	0 to 7	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.3	<47	ND	<59
S-13	07.24.23	C	0 to 7	<0.024	<0.049	<0.049	<0.097	ND	<4.9	21	<46	21	87
S-14	07.24.23	C	0 to 7	<0.025	<0.049	<0.049	<0.099	ND	<4.9	10	<50	10	120
S-15	08.03.23	C	16	0.033	<0.048	<0.048	<0.096	0.033	<4.8	<9.6	<48	ND	69
S-16	08.03.23	C	14	<0.024	<0.049	<0.049	<0.097	ND	<4.9	<9.5	<47	ND	<60
S-17	08.03.23	C	14	<0.025	<0.049	<0.049	<0.099	ND	<4.9	<9.4	<47	ND	<60
S-18	08.03.23	C	16	<0.025	<0.050	<0.050	<0.10	ND	<5.0	<9.7	<48	ND	<61
S-19	08.03.23	C	14	<0.024	<0.047	<0.047	<0.094	ND	<4.7	<9.8	<49	ND	<60



TABLE 1
Salazar #12 PC (07/20/23)
SOIL ANALYTICAL SUMMARY

Sample I.D.	Date	Sample Type C- Composite G - Grab	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX ¹ (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total Combined TPH (GRO/DRO/MRO) ¹ (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I)				10	NE	NE	NE	50	NE	NE	NE	100	600
S-20	08.03.23	C	14	<0.024	<0.049	<0.049	<0.097	ND	<4.9	<9.3	<47	ND	<59
S-21	08.03.23	C	0 to 16	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<9.5	<47	ND	100
S-22	08.03.23	C	0 to 16	<0.024	0.047	<0.047	<0.094	0.047	<4.7	<9.4	<47	ND	110
S-23	08.03.23	C	0 to 14	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<9.1	<46	ND	130
S-24	08.03.23	C	0 to 14	<0.024	<0.048	<0.048	<0.097	ND	<4.8	<9.4	<47	ND	74
S-25	08.03.23	C	0 to 14	<0.023	<0.047	<0.047	<0.093	ND	<4.7	<9.4	<47	ND	<60
S-26	08.03.23	C	0 to 14	0.050	<0.048	<0.048	<0.097	0.050	<4.8	<9.9	<50	ND	<60
S-27	08.03.23	C	0 to 14	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<9.8	<49	ND	74
S-28	08.03.23	C	0 to 14	<0.023	<0.046	<0.046	<0.092	ND	<4.6	<9.8	<49	ND	120
S-29	08.03.23	C	0 to 14	<0.023	<0.046	<0.046	<0.092	ND	<4.6	<9.9	<50	ND	140
S-30	08.03.23	C	0 to 16	<0.024	<0.048	<0.048	<0.095	ND	<4.8	<10	<50	ND	<60
S-31	08.03.23	C	0 to 16	<0.023	<0.047	<0.047	<0.094	ND	<4.7	<9.5	<48	ND	<60

Note: Concentrations in **bold** and yellow exceed the applicable NM EMNRD Closure Criteria

¹ = Total combined concentrations are rounded to two (2) significant figures to match the laboratory resolution of the individual constituents.

ND = Not Detected above the Practical Quantitation Limits (PQLs) or Reporting Limits (RLs)

NA = Not Analyzed

NE = Not established

mg/kg = milligrams per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 01, 2023

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Salazar 12 PC July 2023

OrderNo.: 2307B14

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 14 sample(s) on 7/25/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2307B14

Date Reported: 8/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-1

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 12:15:00 PM

Lab ID: 2307B14-001

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/26/2023 3:28:58 PM	76477
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/26/2023 2:35:22 AM	76444
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/26/2023 2:35:22 AM	76444
Surr: DNOP	110	69-147		%Rec	1	7/26/2023 2:35:22 AM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/26/2023 2:16:44 PM	76436
Surr: BFB	104	15-244		%Rec	1	7/26/2023 2:16:44 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/26/2023 2:16:44 PM	76436
Toluene	ND	0.048		mg/Kg	1	7/26/2023 2:16:44 PM	76436
Ethylbenzene	ND	0.048		mg/Kg	1	7/26/2023 2:16:44 PM	76436
Xylenes, Total	ND	0.096		mg/Kg	1	7/26/2023 2:16:44 PM	76436
Surr: 4-Bromofluorobenzene	122	39.1-146		%Rec	1	7/26/2023 2:16:44 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307B14

Date Reported: 8/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-2

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 12:20:00 PM

Lab ID: 2307B14-002

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	4100	150		mg/Kg	50	7/27/2023 10:22:21 AM	76477
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	12000	200		mg/Kg	20	7/26/2023 11:08:51 AM	76444
Motor Oil Range Organics (MRO)	3800	980		mg/Kg	20	7/26/2023 11:08:51 AM	76444
Surr: DNOP	0	69-147	S	%Rec	20	7/26/2023 11:08:51 AM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	700	24		mg/Kg	5	7/26/2023 1:29:20 PM	76436
Surr: BFB	564	15-244	S	%Rec	5	7/26/2023 1:29:20 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	2.8	0.12		mg/Kg	5	7/26/2023 1:29:20 PM	76436
Toluene	35	0.48		mg/Kg	10	7/26/2023 10:12:38 PM	76436
Ethylbenzene	8.3	0.24		mg/Kg	5	7/26/2023 1:29:20 PM	76436
Xylenes, Total	82	0.96		mg/Kg	10	7/26/2023 10:12:38 PM	76436
Surr: 4-Bromofluorobenzene	168	39.1-146	S	%Rec	5	7/26/2023 1:29:20 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307B14

Date Reported: 8/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-3

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 12:25:00 PM

Lab ID: 2307B14-003

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	280	60		mg/Kg	20	7/26/2023 3:53:47 PM	76477
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	46	9.3		mg/Kg	1	7/26/2023 2:57:05 AM	76444
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/26/2023 2:57:05 AM	76444
Surr: DNOP	108	69-147		%Rec	1	7/26/2023 2:57:05 AM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	14	4.8		mg/Kg	1	7/26/2023 2:40:32 PM	76436
Surr: BFB	202	15-244		%Rec	1	7/26/2023 2:40:32 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/26/2023 2:40:32 PM	76436
Toluene	ND	0.048		mg/Kg	1	7/26/2023 2:40:32 PM	76436
Ethylbenzene	ND	0.048		mg/Kg	1	7/26/2023 2:40:32 PM	76436
Xylenes, Total	0.29	0.096		mg/Kg	1	7/26/2023 2:40:32 PM	76436
Surr: 4-Bromofluorobenzene	126	39.1-146		%Rec	1	7/26/2023 2:40:32 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307B14

Date Reported: 8/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-4

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 12:30:00 PM

Lab ID: 2307B14-004

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/26/2023 4:06:11 PM	76477
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	10	9.7		mg/Kg	1	7/26/2023 3:07:55 AM	76444
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/26/2023 3:07:55 AM	76444
Surr: DNOP	113	69-147		%Rec	1	7/26/2023 3:07:55 AM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/26/2023 3:04:22 PM	76436
Surr: BFB	105	15-244		%Rec	1	7/26/2023 3:04:22 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/26/2023 3:04:22 PM	76436
Toluene	ND	0.049		mg/Kg	1	7/26/2023 3:04:22 PM	76436
Ethylbenzene	ND	0.049		mg/Kg	1	7/26/2023 3:04:22 PM	76436
Xylenes, Total	ND	0.099		mg/Kg	1	7/26/2023 3:04:22 PM	76436
Surr: 4-Bromofluorobenzene	119	39.1-146		%Rec	1	7/26/2023 3:04:22 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307B14

Date Reported: 8/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-5

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 12:35:00 PM

Lab ID: 2307B14-005

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/26/2023 4:18:36 PM	76477
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/26/2023 3:18:42 AM	76444
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/26/2023 3:18:42 AM	76444
Surr: DNOP	113	69-147		%Rec	1	7/26/2023 3:18:42 AM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/26/2023 3:28:17 PM	76436
Surr: BFB	101	15-244		%Rec	1	7/26/2023 3:28:17 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/26/2023 3:28:17 PM	76436
Toluene	ND	0.048		mg/Kg	1	7/26/2023 3:28:17 PM	76436
Ethylbenzene	ND	0.048		mg/Kg	1	7/26/2023 3:28:17 PM	76436
Xylenes, Total	ND	0.096		mg/Kg	1	7/26/2023 3:28:17 PM	76436
Surr: 4-Bromofluorobenzene	120	39.1-146		%Rec	1	7/26/2023 3:28:17 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307B14

Date Reported: 8/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-6

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 12:40:00 PM

Lab ID: 2307B14-006

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/26/2023 4:31:00 PM	76477
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/26/2023 3:29:36 AM	76444
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/26/2023 3:29:36 AM	76444
Surr: DNOP	117	69-147		%Rec	1	7/26/2023 3:29:36 AM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/26/2023 3:52:10 PM	76436
Surr: BFB	104	15-244		%Rec	1	7/26/2023 3:52:10 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/26/2023 3:52:10 PM	76436
Toluene	ND	0.049		mg/Kg	1	7/26/2023 3:52:10 PM	76436
Ethylbenzene	ND	0.049		mg/Kg	1	7/26/2023 3:52:10 PM	76436
Xylenes, Total	ND	0.098		mg/Kg	1	7/26/2023 3:52:10 PM	76436
Surr: 4-Bromofluorobenzene	126	39.1-146		%Rec	1	7/26/2023 3:52:10 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307B14

Date Reported: 8/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-7

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 12:45:00 PM

Lab ID: 2307B14-007

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/26/2023 4:43:25 PM	76477
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/26/2023 3:40:27 AM	76444
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/26/2023 3:40:27 AM	76444
Surr: DNOP	116	69-147		%Rec	1	7/26/2023 3:40:27 AM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/26/2023 4:16:07 PM	76436
Surr: BFB	106	15-244		%Rec	1	7/26/2023 4:16:07 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/26/2023 4:16:07 PM	76436
Toluene	ND	0.048		mg/Kg	1	7/26/2023 4:16:07 PM	76436
Ethylbenzene	ND	0.048		mg/Kg	1	7/26/2023 4:16:07 PM	76436
Xylenes, Total	ND	0.096		mg/Kg	1	7/26/2023 4:16:07 PM	76436
Surr: 4-Bromofluorobenzene	123	39.1-146		%Rec	1	7/26/2023 4:16:07 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307B14

Date Reported: 8/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-8

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 12:50:00 PM

Lab ID: 2307B14-008

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	350	60		mg/Kg	20	7/26/2023 5:20:39 PM	76477
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	940	93		mg/Kg	10	7/26/2023 11:48:55 AM	76444
Motor Oil Range Organics (MRO)	ND	470	D	mg/Kg	10	7/26/2023 11:48:55 AM	76444
Surr: DNOP	0	69-147	S	%Rec	10	7/26/2023 11:48:55 AM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	650	48		mg/Kg	10	7/26/2023 1:05:39 PM	76436
Surr: BFB	423	15-244	S	%Rec	10	7/26/2023 1:05:39 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	0.34	0.24		mg/Kg	10	7/26/2023 1:05:39 PM	76436
Toluene	16	0.48		mg/Kg	10	7/26/2023 1:05:39 PM	76436
Ethylbenzene	10	0.48		mg/Kg	10	7/26/2023 1:05:39 PM	76436
Xylenes, Total	100	0.95		mg/Kg	10	7/26/2023 1:05:39 PM	76436
Surr: 4-Bromofluorobenzene	162	39.1-146	S	%Rec	10	7/26/2023 1:05:39 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307B14

Date Reported: 8/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-9

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 12:55:00 PM

Lab ID: 2307B14-009

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	87	60		mg/Kg	20	7/26/2023 5:33:04 PM	76477
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/26/2023 4:02:09 AM	76444
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/26/2023 4:02:09 AM	76444
Surr: DNOP	113	69-147		%Rec	1	7/26/2023 4:02:09 AM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/26/2023 5:04:12 PM	76436
Surr: BFB	102	15-244		%Rec	1	7/26/2023 5:04:12 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/26/2023 5:04:12 PM	76436
Toluene	ND	0.049		mg/Kg	1	7/26/2023 5:04:12 PM	76436
Ethylbenzene	ND	0.049		mg/Kg	1	7/26/2023 5:04:12 PM	76436
Xylenes, Total	ND	0.099		mg/Kg	1	7/26/2023 5:04:12 PM	76436
Surr: 4-Bromofluorobenzene	120	39.1-146		%Rec	1	7/26/2023 5:04:12 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307B14

Date Reported: 8/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-10

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 1:00:00 PM

Lab ID: 2307B14-010

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/26/2023 5:45:29 PM	76477
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/26/2023 4:23:39 AM	76444
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/26/2023 4:23:39 AM	76444
Surr: DNOP	146	69-147		%Rec	1	7/26/2023 4:23:39 AM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/26/2023 5:28:09 PM	76436
Surr: BFB	104	15-244		%Rec	1	7/26/2023 5:28:09 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/26/2023 5:28:09 PM	76436
Toluene	ND	0.048		mg/Kg	1	7/26/2023 5:28:09 PM	76436
Ethylbenzene	ND	0.048		mg/Kg	1	7/26/2023 5:28:09 PM	76436
Xylenes, Total	ND	0.097		mg/Kg	1	7/26/2023 5:28:09 PM	76436
Surr: 4-Bromofluorobenzene	125	39.1-146		%Rec	1	7/26/2023 5:28:09 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307B14

Date Reported: 8/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-11

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 1:05:00 PM

Lab ID: 2307B14-011

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	59		mg/Kg	20	7/26/2023 5:57:54 PM	76477
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/26/2023 4:34:26 AM	76444
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/26/2023 4:34:26 AM	76444
Surr: DNOP	117	69-147		%Rec	1	7/26/2023 4:34:26 AM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/26/2023 5:52:07 PM	76436
Surr: BFB	104	15-244		%Rec	1	7/26/2023 5:52:07 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/26/2023 5:52:07 PM	76436
Toluene	ND	0.048		mg/Kg	1	7/26/2023 5:52:07 PM	76436
Ethylbenzene	ND	0.048		mg/Kg	1	7/26/2023 5:52:07 PM	76436
Xylenes, Total	ND	0.096		mg/Kg	1	7/26/2023 5:52:07 PM	76436
Surr: 4-Bromofluorobenzene	125	39.1-146		%Rec	1	7/26/2023 5:52:07 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307B14

Date Reported: 8/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-12

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 1:10:00 PM

Lab ID: 2307B14-012

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	1500	60		mg/Kg	20	7/26/2023 6:35:08 PM	76484
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	5700	94		mg/Kg	10	7/26/2023 4:45:13 AM	76444
Motor Oil Range Organics (MRO)	1400	470		mg/Kg	10	7/26/2023 4:45:13 AM	76444
Surr: DNOP	0	69-147	S	%Rec	10	7/26/2023 4:45:13 AM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	250	25		mg/Kg	5	7/26/2023 1:52:59 PM	76436
Surr: BFB	293	15-244	S	%Rec	5	7/26/2023 1:52:59 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	0.38	0.12		mg/Kg	5	7/26/2023 1:52:59 PM	76436
Toluene	5.7	0.25		mg/Kg	5	7/26/2023 1:52:59 PM	76436
Ethylbenzene	2.4	0.25		mg/Kg	5	7/26/2023 1:52:59 PM	76436
Xylenes, Total	27	0.50		mg/Kg	5	7/26/2023 1:52:59 PM	76436
Surr: 4-Bromofluorobenzene	143	39.1-146		%Rec	5	7/26/2023 1:52:59 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307B14

Date Reported: 8/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-13

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 1:15:00 PM

Lab ID: 2307B14-013

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	87	60		mg/Kg	20	7/26/2023 6:47:33 PM	76484
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	21	9.2		mg/Kg	1	7/28/2023 1:54:55 PM	76444
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/28/2023 1:54:55 PM	76444
Surr: DNOP	103	69-147		%Rec	1	7/28/2023 1:54:55 PM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/26/2023 6:16:01 PM	76436
Surr: BFB	107	15-244		%Rec	1	7/26/2023 6:16:01 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/26/2023 6:16:01 PM	76436
Toluene	ND	0.049		mg/Kg	1	7/26/2023 6:16:01 PM	76436
Ethylbenzene	ND	0.049		mg/Kg	1	7/26/2023 6:16:01 PM	76436
Xylenes, Total	ND	0.097		mg/Kg	1	7/26/2023 6:16:01 PM	76436
Surr: 4-Bromofluorobenzene	123	39.1-146		%Rec	1	7/26/2023 6:16:01 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307B14

Date Reported: 8/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-14

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 1:20:00 PM

Lab ID: 2307B14-014

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	120	59		mg/Kg	20	7/26/2023 6:59:58 PM	76484
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	10	9.9		mg/Kg	1	7/28/2023 2:18:50 PM	76444
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/28/2023 2:18:50 PM	76444
Surr: DNOP	107	69-147		%Rec	1	7/28/2023 2:18:50 PM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/26/2023 6:39:50 PM	76436
Surr: BFB	102	15-244		%Rec	1	7/26/2023 6:39:50 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/26/2023 6:39:50 PM	76436
Toluene	ND	0.049		mg/Kg	1	7/26/2023 6:39:50 PM	76436
Ethylbenzene	ND	0.049		mg/Kg	1	7/26/2023 6:39:50 PM	76436
Xylenes, Total	ND	0.099		mg/Kg	1	7/26/2023 6:39:50 PM	76436
Surr: 4-Bromofluorobenzene	123	39.1-146		%Rec	1	7/26/2023 6:39:50 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307B14
01-Aug-23

Client: ENSOLUM
Project: Salazar 12 PC July 2023

Sample ID: MB-76477	SampType: MBLK	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 76477	RunNo: 98503
Prep Date: 7/26/2023	Analysis Date: 7/26/2023	SeqNo: 3587770 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-76477	SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 76477	RunNo: 98503
Prep Date: 7/26/2023	Analysis Date: 7/26/2023	SeqNo: 3587771 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 92.9 90 110

Sample ID: MB-76484	SampType: MBLK	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 76484	RunNo: 98503
Prep Date: 7/26/2023	Analysis Date: 7/26/2023	SeqNo: 3587802 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-76484	SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 76484	RunNo: 98503
Prep Date: 7/26/2023	Analysis Date: 7/26/2023	SeqNo: 3587803 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 94.3 90 110

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2307B14

01-Aug-23

Client: ENSOLUM**Project:** Salazar 12 PC July 2023

Sample ID: LCS-76444	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 76444			RunNo: 98469						
Prep Date: 7/25/2023	Analysis Date: 7/25/2023			SeqNo: 3586102		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	82.6	61.9	130			
Surr: DNOP	3.5		5.000		69.9	69	147			

Sample ID: MB-76444	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 76444			RunNo: 98469						
Prep Date: 7/25/2023	Analysis Date: 7/25/2023			SeqNo: 3586106		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		92.2	69	147			

Sample ID: LCS-76440	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 76440			RunNo: 98496						
Prep Date: 7/25/2023	Analysis Date: 7/26/2023			SeqNo: 3587221		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.1		5.000		103	69	147			

Sample ID: MB-76440	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 76440			RunNo: 98496						
Prep Date: 7/25/2023	Analysis Date: 7/26/2023			SeqNo: 3587224		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		108	69	147			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
E Above Quantitation Range/Estimated Value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2307B14

01-Aug-23

Client: ENSOLUM**Project:** Salazar 12 PC July 2023

Sample ID: ics-76436	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 76436			RunNo: 98498						
Prep Date: 7/25/2023	Analysis Date: 7/26/2023			SeqNo: 3586238		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.5	70	130			
Surr: BFB	1900		1000		194	15	244			

Sample ID: mb-76436	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 76436			RunNo: 98498						
Prep Date: 7/25/2023	Analysis Date: 7/26/2023			SeqNo: 3586262		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		95.1	15	244			

Sample ID: 2307B14-001AMS	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S-1	Batch ID: 76436			RunNo: 98498						
Prep Date: 7/25/2023	Analysis Date: 7/26/2023			SeqNo: 3587262		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.8	23.85	0	103	70	130			
Surr: BFB	2000		954.2		214	15	244			

Sample ID: 2307B14-001AMSD	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S-1	Batch ID: 76436			RunNo: 98498						
Prep Date: 7/25/2023	Analysis Date: 7/26/2023			SeqNo: 3587263		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.8	23.85	0	91.5	70	130	11.8	20	
Surr: BFB	1900		954.2		198	15	244	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
E Above Quantitation Range/Estimated Value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307B14

01-Aug-23

Client: ENSOLUM

Project: Salazar 12 PC July 2023

Sample ID: LCS-76436	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 76436	RunNo: 98498								
Prep Date: 7/25/2023	Analysis Date: 7/26/2023	SeqNo: 3586239	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	105	70	130			
Toluene	1.1	0.050	1.000	0	106	70	130			
Ethylbenzene	1.1	0.050	1.000	0	107	70	130			
Xylenes, Total	3.3	0.10	3.000	0	109	70	130			
Surr: 4-Bromofluorobenzene	1.2		1.000		117	39.1	146			

Sample ID: mb-76436	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 76436	RunNo: 98498								
Prep Date: 7/25/2023	Analysis Date: 7/26/2023	SeqNo: 3586264	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		117	39.1	146			

Sample ID: 2307B14-002AMS	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-2	Batch ID: 76436	RunNo: 98498								
Prep Date: 7/25/2023	Analysis Date: 7/26/2023	SeqNo: 3587333	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	4.1	0.12	0.9662	2.792	134	70	130			S
Toluene	35	0.24	0.9662	31.30	365	70	130			ES
Ethylbenzene	10	0.24	0.9662	8.320	201	70	130			S
Xylenes, Total	81	0.48	2.899	71.73	304	70	130			ES
Surr: 4-Bromofluorobenzene	8.2		4.831		170	39.1	146			S

Sample ID: 2307B14-002AMSD	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-2	Batch ID: 76436	RunNo: 98498								
Prep Date: 7/25/2023	Analysis Date: 7/26/2023	SeqNo: 3587334	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.6	0.12	0.9606	2.792	86.3	70	130	12.0	20	
Toluene	33	0.24	0.9606	31.30	128	70	130	6.83	20	E
Ethylbenzene	9.7	0.24	0.9606	8.320	141	70	130	5.93	20	S
Xylenes, Total	77	0.48	2.882	71.73	180	70	130	4.61	20	ES
Surr: 4-Bromofluorobenzene	8.1		4.803		169	39.1	146	0	0	S

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
E Above Quantitation Range/Estimated Value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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Hall Environmental Analysis Laboratory
 4901 Hawkins NE
 Albuquerque, NM 87109
 TEL: 505-345-3975 FAX: 505-345-4107
 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2307B14

RcptNo: 1

Received By: Tracy Casarrubias 7/25/2023 6:20:00 AM

Completed By: Tracy Casarrubias 7/25/2023 7:08:06 AM

Reviewed By: *7/25/23*

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☒ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
 (Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
 (If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *SCM 07/25/23*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: Phone number is missing on COC- TMC 7/25/23

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Yes	Yogi		



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 31, 2023

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Salazar 12 PC July 2023

OrderNo.: 2307B15

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 3 sample(s) on 7/25/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2307B15

Date Reported: 7/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: SP-1

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 1:25:00 PM

Lab ID: 2307B15-001

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/26/2023 7:12:22 PM	76484
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	18	9.8		mg/Kg	1	7/26/2023 5:39:06 AM	76444
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/26/2023 5:39:06 AM	76444
Surr: DNOP	126	69-147		%Rec	1	7/26/2023 5:39:06 AM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/26/2023 7:03:37 PM	76436
Surr: BFB	104	15-244		%Rec	1	7/26/2023 7:03:37 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/26/2023 7:03:37 PM	76436
Toluene	ND	0.048		mg/Kg	1	7/26/2023 7:03:37 PM	76436
Ethylbenzene	ND	0.048		mg/Kg	1	7/26/2023 7:03:37 PM	76436
Xylenes, Total	ND	0.096		mg/Kg	1	7/26/2023 7:03:37 PM	76436
Surr: 4-Bromofluorobenzene	122	39.1-146		%Rec	1	7/26/2023 7:03:37 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 1 of 7

Analytical Report

Lab Order 2307B15

Date Reported: 7/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: SP-2

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 1:30:00 PM

Lab ID: 2307B15-002

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	59		mg/Kg	20	7/26/2023 8:14:24 PM	76484
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/26/2023 5:49:56 AM	76444
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/26/2023 5:49:56 AM	76444
Surr: DNOP	157	69-147	S	%Rec	1	7/26/2023 5:49:56 AM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/26/2023 7:27:24 PM	76436
Surr: BFB	98.7	15-244		%Rec	1	7/26/2023 7:27:24 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/26/2023 7:27:24 PM	76436
Toluene	ND	0.048		mg/Kg	1	7/26/2023 7:27:24 PM	76436
Ethylbenzene	ND	0.048		mg/Kg	1	7/26/2023 7:27:24 PM	76436
Xylenes, Total	ND	0.095		mg/Kg	1	7/26/2023 7:27:24 PM	76436
Surr: 4-Bromofluorobenzene	120	39.1-146		%Rec	1	7/26/2023 7:27:24 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2307B15

Date Reported: 7/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: SP-3

Project: Salazar 12 PC July 2023

Collection Date: 7/24/2023 1:35:00 PM

Lab ID: 2307B15-003

Matrix: SOIL

Received Date: 7/25/2023 6:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/26/2023 8:26:49 PM	76484
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	11	9.2		mg/Kg	1	7/26/2023 6:00:45 AM	76444
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/26/2023 6:00:45 AM	76444
Surr: DNOP	127	69-147		%Rec	1	7/26/2023 6:00:45 AM	76444
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/26/2023 7:51:04 PM	76436
Surr: BFB	107	15-244		%Rec	1	7/26/2023 7:51:04 PM	76436
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/26/2023 7:51:04 PM	76436
Toluene	ND	0.049		mg/Kg	1	7/26/2023 7:51:04 PM	76436
Ethylbenzene	ND	0.049		mg/Kg	1	7/26/2023 7:51:04 PM	76436
Xylenes, Total	ND	0.098		mg/Kg	1	7/26/2023 7:51:04 PM	76436
Surr: 4-Bromofluorobenzene	120	39.1-146		%Rec	1	7/26/2023 7:51:04 PM	76436

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307B15
31-Jul-23

Client: ENSOLUM
Project: Salazar 12 PC July 2023

Sample ID: MB-76484	SampType: MBLK			TestCode: EPA Method 300.0: Anions						
Client ID: PBS	Batch ID: 76484			RunNo: 98503						
Prep Date: 7/26/2023	Analysis Date: 7/26/2023			SeqNo: 3587802			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-76484	SampType: LCS			TestCode: EPA Method 300.0: Anions						
Client ID: LCSS	Batch ID: 76484			RunNo: 98503						
Prep Date: 7/26/2023	Analysis Date: 7/26/2023			SeqNo: 3587803			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.	

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2307B15

31-Jul-23

Client: ENSOLUM**Project:** Salazar 12 PC July 2023

Sample ID: LCS-76444	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 76444			RunNo: 98469						
Prep Date: 7/25/2023	Analysis Date: 7/25/2023			SeqNo: 3586102		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	82.6	61.9	130			
Surr: DNOP	3.5		5.000		69.9	69	147			

Sample ID: MB-76444	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 76444			RunNo: 98469						
Prep Date: 7/25/2023	Analysis Date: 7/25/2023			SeqNo: 3586106		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		92.2	69	147			

Sample ID: LCS-76440	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 76440			RunNo: 98496						
Prep Date: 7/25/2023	Analysis Date: 7/26/2023			SeqNo: 3587221		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.1		5.000		103	69	147			

Sample ID: MB-76440	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 76440			RunNo: 98496						
Prep Date: 7/25/2023	Analysis Date: 7/26/2023			SeqNo: 3587224		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		108	69	147			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
E Above Quantitation Range/Estimated Value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307B15
31-Jul-23

Client: ENSOLUM

Project: Salazar 12 PC July 2023

Sample ID: lcs-76436	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 76436		RunNo: 98498							
Prep Date: 7/25/2023	Analysis Date: 7/26/2023		SeqNo: 3586238		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.5	70	130			
Surr: BFB	1900		1000		194	15	244			

Sample ID: mb-76436	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 76436		RunNo: 98498							
Prep Date: 7/25/2023	Analysis Date: 7/26/2023		SeqNo: 3586262		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		95.1	15	244			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307B15
31-Jul-23

Client: ENSOLUM
Project: Salazar 12 PC July 2023

Sample ID: LCS-76436	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 76436	RunNo: 98498								
Prep Date: 7/25/2023	Analysis Date: 7/26/2023	SeqNo: 3586239	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	105	70	130			
Toluene	1.1	0.050	1.000	0	106	70	130			
Ethylbenzene	1.1	0.050	1.000	0	107	70	130			
Xylenes, Total	3.3	0.10	3.000	0	109	70	130			
Surr: 4-Bromofluorobenzene	1.2		1.000		117	39.1	146			

Sample ID: mb-76436	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 76436	RunNo: 98498								
Prep Date: 7/25/2023	Analysis Date: 7/26/2023	SeqNo: 3586264	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		117	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2307B15

RcptNo: 1

Received By: Tracy Casarrubias 7/25/2023 6:20:00 AM

Completed By: Tracy Casarrubias 7/25/2023 7:21:47 AM

Reviewed By: *7/25/23*

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☒ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH: *5*
(<2 or >12 unless noted)
Adjusted? *5*
Checked by: *SCM 07/25/23*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: Phone number is missing on COC- TMC 7/25/23

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Yes	Yogi		



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 14, 2023

Kyle Summers

ENSOLUM

606 S. Rio Grande Suite A

Aztec, NM 87410

TEL: (903) 821-5603

FAX:

RE: Salazar 12pc July 2023

OrderNo.: 2308289

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 17 sample(s) on 8/4/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2308289

Date Reported: 8/14/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-15

Project: Salazar 12pc July 2023

Collection Date: 8/3/2023 9:30:00 AM

Lab ID: 2308289-001

Matrix: SOIL

Received Date: 8/4/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	69	60		mg/Kg	20	8/8/2023 8:18:44 PM	76728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/8/2023 8:50:23 AM	76693
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/8/2023 8:50:23 AM	76693
Surr: DNOP	101	69-147		%Rec	1	8/8/2023 8:50:23 AM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/7/2023 11:09:39 AM	76684
Surr: BFB	99.4	15-244		%Rec	1	8/7/2023 11:09:39 AM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	0.033	0.024		mg/Kg	1	8/7/2023 11:09:39 AM	76684
Toluene	ND	0.048		mg/Kg	1	8/7/2023 11:09:39 AM	76684
Ethylbenzene	ND	0.048		mg/Kg	1	8/7/2023 11:09:39 AM	76684
Xylenes, Total	ND	0.096		mg/Kg	1	8/7/2023 11:09:39 AM	76684
Surr: 4-Bromofluorobenzene	115	39.1-146		%Rec	1	8/7/2023 11:09:39 AM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2308289

Date Reported: 8/14/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-16

Project: Salazar 12pc July 2023

Collection Date: 8/3/2023 9:35:00 AM

Lab ID: 2308289-002

Matrix: SOIL

Received Date: 8/4/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	8/8/2023 8:31:08 PM	76728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/8/2023 9:21:55 AM	76693
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/8/2023 9:21:55 AM	76693
Surr: DNOP	108	69-147		%Rec	1	8/8/2023 9:21:55 AM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/7/2023 11:33:06 AM	76684
Surr: BFB	95.6	15-244		%Rec	1	8/7/2023 11:33:06 AM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	8/7/2023 11:33:06 AM	76684
Toluene	ND	0.049		mg/Kg	1	8/7/2023 11:33:06 AM	76684
Ethylbenzene	ND	0.049		mg/Kg	1	8/7/2023 11:33:06 AM	76684
Xylenes, Total	ND	0.097		mg/Kg	1	8/7/2023 11:33:06 AM	76684
Surr: 4-Bromofluorobenzene	110	39.1-146		%Rec	1	8/7/2023 11:33:06 AM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2308289

Date Reported: 8/14/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-17

Project: Salazar 12pc July 2023

Collection Date: 8/3/2023 9:40:00 AM

Lab ID: 2308289-003

Matrix: SOIL

Received Date: 8/4/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	8/8/2023 9:08:21 PM	76728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/8/2023 9:32:29 AM	76693
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/8/2023 9:32:29 AM	76693
Surr: DNOP	103	69-147		%Rec	1	8/8/2023 9:32:29 AM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/8/2023 10:43:55 AM	76684
Surr: BFB	100	15-244		%Rec	1	8/8/2023 10:43:55 AM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	8/8/2023 10:43:55 AM	76684
Toluene	ND	0.049		mg/Kg	1	8/8/2023 10:43:55 AM	76684
Ethylbenzene	ND	0.049		mg/Kg	1	8/8/2023 10:43:55 AM	76684
Xylenes, Total	ND	0.099		mg/Kg	1	8/8/2023 10:43:55 AM	76684
Surr: 4-Bromofluorobenzene	113	39.1-146		%Rec	1	8/8/2023 10:43:55 AM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2308289

Date Reported: 8/14/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-18

Project: Salazar 12pc July 2023

Collection Date: 8/3/2023 9:45:00 AM

Lab ID: 2308289-004

Matrix: SOIL

Received Date: 8/4/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	61		mg/Kg	20	8/8/2023 9:20:45 PM	76728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/8/2023 9:43:04 AM	76693
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/8/2023 9:43:04 AM	76693
Surr: DNOP	130	69-147		%Rec	1	8/8/2023 9:43:04 AM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/7/2023 1:10:03 PM	76684
Surr: BFB	94.5	15-244		%Rec	1	8/7/2023 1:10:03 PM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	8/7/2023 1:10:03 PM	76684
Toluene	ND	0.050		mg/Kg	1	8/7/2023 1:10:03 PM	76684
Ethylbenzene	ND	0.050		mg/Kg	1	8/7/2023 1:10:03 PM	76684
Xylenes, Total	ND	0.10		mg/Kg	1	8/7/2023 1:10:03 PM	76684
Surr: 4-Bromofluorobenzene	111	39.1-146		%Rec	1	8/7/2023 1:10:03 PM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2308289

Date Reported: 8/14/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-19

Project: Salazar 12pc July 2023

Collection Date: 8/3/2023 9:50:00 AM

Lab ID: 2308289-005

Matrix: SOIL

Received Date: 8/4/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	8/8/2023 9:33:09 PM	76728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/8/2023 9:53:39 AM	76693
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/8/2023 9:53:39 AM	76693
Surr: DNOP	103	69-147		%Rec	1	8/8/2023 9:53:39 AM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/7/2023 1:33:30 PM	76684
Surr: BFB	99.0	15-244		%Rec	1	8/7/2023 1:33:30 PM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	8/7/2023 1:33:30 PM	76684
Toluene	ND	0.047		mg/Kg	1	8/7/2023 1:33:30 PM	76684
Ethylbenzene	ND	0.047		mg/Kg	1	8/7/2023 1:33:30 PM	76684
Xylenes, Total	ND	0.094		mg/Kg	1	8/7/2023 1:33:30 PM	76684
Surr: 4-Bromofluorobenzene	114	39.1-146		%Rec	1	8/7/2023 1:33:30 PM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2308289

Date Reported: 8/14/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-20

Project: Salazar 12pc July 2023

Collection Date: 8/3/2023 9:55:00 AM

Lab ID: 2308289-006

Matrix: SOIL

Received Date: 8/4/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	59		mg/Kg	20	8/8/2023 9:45:34 PM	76728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/8/2023 10:04:17 AM	76693
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/8/2023 10:04:17 AM	76693
Surr: DNOP	98.3	69-147		%Rec	1	8/8/2023 10:04:17 AM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/7/2023 1:57:03 PM	76684
Surr: BFB	98.1	15-244		%Rec	1	8/7/2023 1:57:03 PM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	8/7/2023 1:57:03 PM	76684
Toluene	ND	0.049		mg/Kg	1	8/7/2023 1:57:03 PM	76684
Ethylbenzene	ND	0.049		mg/Kg	1	8/7/2023 1:57:03 PM	76684
Xylenes, Total	ND	0.097		mg/Kg	1	8/7/2023 1:57:03 PM	76684
Surr: 4-Bromofluorobenzene	113	39.1-146		%Rec	1	8/7/2023 1:57:03 PM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2308289

Date Reported: 8/14/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-21

Project: Salazar 12pc July 2023

Collection Date: 8/3/2023 10:00:00 AM

Lab ID: 2308289-007

Matrix: SOIL

Received Date: 8/4/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	100	60		mg/Kg	20	8/8/2023 9:57:58 PM	76728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/8/2023 10:14:55 AM	76693
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/8/2023 10:14:55 AM	76693
Surr: DNOP	99.0	69-147		%Rec	1	8/8/2023 10:14:55 AM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/8/2023 11:07:21 AM	76684
Surr: BFB	96.8	15-244		%Rec	1	8/8/2023 11:07:21 AM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	8/8/2023 11:07:21 AM	76684
Toluene	ND	0.050		mg/Kg	1	8/8/2023 11:07:21 AM	76684
Ethylbenzene	ND	0.050		mg/Kg	1	8/8/2023 11:07:21 AM	76684
Xylenes, Total	ND	0.099		mg/Kg	1	8/8/2023 11:07:21 AM	76684
Surr: 4-Bromofluorobenzene	110	39.1-146		%Rec	1	8/8/2023 11:07:21 AM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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CLIENT: ENSOLUM
Project: Salazar 12pc July 2023
Lab ID: 2308289-008

Client Sample ID: S-22
Collection Date: 8/3/2023 10:05:00 AM
Received Date: 8/4/2023 6:50:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	110	60		mg/Kg	20	8/8/2023 10:35:11 PM	76728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/8/2023 10:25:35 AM	76693
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/8/2023 10:25:35 AM	76693
Surr: DNOP	97.8	69-147		%Rec	1	8/8/2023 10:25:35 AM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/8/2023 11:30:52 AM	76684
Surr: BFB	101	15-244		%Rec	1	8/8/2023 11:30:52 AM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	8/8/2023 11:30:52 AM	76684
Toluene	0.047	0.047		mg/Kg	1	8/8/2023 11:30:52 AM	76684
Ethylbenzene	ND	0.047		mg/Kg	1	8/8/2023 11:30:52 AM	76684
Xylenes, Total	ND	0.094		mg/Kg	1	8/8/2023 11:30:52 AM	76684
Surr: 4-Bromofluorobenzene	114	39.1-146		%Rec	1	8/8/2023 11:30:52 AM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2308289

Date Reported: 8/14/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-23

Project: Salazar 12pc July 2023

Collection Date: 8/3/2023 10:10:00 AM

Lab ID: 2308289-009

Matrix: SOIL

Received Date: 8/4/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	130	60		mg/Kg	20	8/8/2023 10:47:36 PM	76728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	8/8/2023 10:36:18 AM	76693
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/8/2023 10:36:18 AM	76693
Surr: DNOP	97.1	69-147		%Rec	1	8/8/2023 10:36:18 AM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/8/2023 11:54:24 AM	76684
Surr: BFB	98.3	15-244		%Rec	1	8/8/2023 11:54:24 AM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	8/8/2023 11:54:24 AM	76684
Toluene	ND	0.050		mg/Kg	1	8/8/2023 11:54:24 AM	76684
Ethylbenzene	ND	0.050		mg/Kg	1	8/8/2023 11:54:24 AM	76684
Xylenes, Total	ND	0.099		mg/Kg	1	8/8/2023 11:54:24 AM	76684
Surr: 4-Bromofluorobenzene	112	39.1-146		%Rec	1	8/8/2023 11:54:24 AM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2308289

Date Reported: 8/14/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-24

Project: Salazar 12pc July 2023

Collection Date: 8/3/2023 10:15:00 AM

Lab ID: 2308289-010

Matrix: SOIL

Received Date: 8/4/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	74	60		mg/Kg	20	8/8/2023 11:00:00 PM	76728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/8/2023 10:47:02 AM	76693
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/8/2023 10:47:02 AM	76693
Surr: DNOP	94.6	69-147		%Rec	1	8/8/2023 10:47:02 AM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/7/2023 3:31:08 PM	76684
Surr: BFB	99.0	15-244		%Rec	1	8/7/2023 3:31:08 PM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	8/7/2023 3:31:08 PM	76684
Toluene	ND	0.048		mg/Kg	1	8/7/2023 3:31:08 PM	76684
Ethylbenzene	ND	0.048		mg/Kg	1	8/7/2023 3:31:08 PM	76684
Xylenes, Total	ND	0.097		mg/Kg	1	8/7/2023 3:31:08 PM	76684
Surr: 4-Bromofluorobenzene	113	39.1-146		%Rec	1	8/7/2023 3:31:08 PM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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CLIENT: ENSOLUM
Project: Salazar 12pc July 2023
Lab ID: 2308289-011

Client Sample ID: S-25
Collection Date: 8/3/2023 10:20:00 AM
Received Date: 8/4/2023 6:50:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	8/8/2023 11:12:24 PM	76728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/8/2023 10:57:49 AM	76693
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/8/2023 10:57:49 AM	76693
Surr: DNOP	103	69-147		%Rec	1	8/8/2023 10:57:49 AM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/8/2023 12:18:01 PM	76684
Surr: BFB	99.1	15-244		%Rec	1	8/8/2023 12:18:01 PM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	8/8/2023 12:18:01 PM	76684
Toluene	ND	0.047		mg/Kg	1	8/8/2023 12:18:01 PM	76684
Ethylbenzene	ND	0.047		mg/Kg	1	8/8/2023 12:18:01 PM	76684
Xylenes, Total	ND	0.093		mg/Kg	1	8/8/2023 12:18:01 PM	76684
Surr: 4-Bromofluorobenzene	113	39.1-146		%Rec	1	8/8/2023 12:18:01 PM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2308289

Date Reported: 8/14/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-26

Project: Salazar 12pc July 2023

Collection Date: 8/3/2023 10:25:00 AM

Lab ID: 2308289-012

Matrix: SOIL

Received Date: 8/4/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	ND	60		mg/Kg	20	8/8/2023 11:24:49 PM	76728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/8/2023 11:19:36 AM	76693
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/8/2023 11:19:36 AM	76693
Surr: DNOP	98.9	69-147		%Rec	1	8/8/2023 11:19:36 AM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/7/2023 5:05:16 PM	76684
Surr: BFB	99.0	15-244		%Rec	1	8/7/2023 5:05:16 PM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	0.050	0.024		mg/Kg	1	8/7/2023 5:05:16 PM	76684
Toluene	ND	0.048		mg/Kg	1	8/7/2023 5:05:16 PM	76684
Ethylbenzene	ND	0.048		mg/Kg	1	8/7/2023 5:05:16 PM	76684
Xylenes, Total	ND	0.097		mg/Kg	1	8/7/2023 5:05:16 PM	76684
Surr: 4-Bromofluorobenzene	114	39.1-146		%Rec	1	8/7/2023 5:05:16 PM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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CLIENT: ENSOLUM
Project: Salazar 12pc July 2023
Lab ID: 2308289-013

Client Sample ID: S-27
Collection Date: 8/3/2023 10:30:00 AM
Received Date: 8/4/2023 6:50:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	74	60		mg/Kg	20	8/8/2023 11:37:13 PM	76728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/8/2023 11:30:25 AM	76693
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/8/2023 11:30:25 AM	76693
Surr: DNOP	93.4	69-147		%Rec	1	8/8/2023 11:30:25 AM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/7/2023 5:28:46 PM	76684
Surr: BFB	102	15-244		%Rec	1	8/7/2023 5:28:46 PM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	8/7/2023 5:28:46 PM	76684
Toluene	ND	0.050		mg/Kg	1	8/7/2023 5:28:46 PM	76684
Ethylbenzene	ND	0.050		mg/Kg	1	8/7/2023 5:28:46 PM	76684
Xylenes, Total	ND	0.099		mg/Kg	1	8/7/2023 5:28:46 PM	76684
Surr: 4-Bromofluorobenzene	116	39.1-146		%Rec	1	8/7/2023 5:28:46 PM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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CLIENT: ENSOLUM
Project: Salazar 12pc July 2023
Lab ID: 2308289-014

Client Sample ID: S-28
Collection Date: 8/3/2023 10:35:00 AM
Received Date: 8/4/2023 6:50:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	120	60		mg/Kg	20	8/8/2023 11:49:37 PM	76728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/8/2023 11:52:14 AM	76693
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/8/2023 11:52:14 AM	76693
Surr: DNOP	97.4	69-147		%Rec	1	8/8/2023 11:52:14 AM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/7/2023 5:52:11 PM	76684
Surr: BFB	100	15-244		%Rec	1	8/7/2023 5:52:11 PM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	8/7/2023 5:52:11 PM	76684
Toluene	ND	0.046		mg/Kg	1	8/7/2023 5:52:11 PM	76684
Ethylbenzene	ND	0.046		mg/Kg	1	8/7/2023 5:52:11 PM	76684
Xylenes, Total	ND	0.092		mg/Kg	1	8/7/2023 5:52:11 PM	76684
Surr: 4-Bromofluorobenzene	114	39.1-146		%Rec	1	8/7/2023 5:52:11 PM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2308289

Date Reported: 8/14/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-29

Project: Salazar 12pc July 2023

Collection Date: 8/3/2023 10:40:00 AM

Lab ID: 2308289-015

Matrix: SOIL

Received Date: 8/4/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	140	60		mg/Kg	20	8/9/2023 12:02:02 AM	76728
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/8/2023 12:03:14 PM	76693
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/8/2023 12:03:14 PM	76693
Surr: DNOP	94.3	69-147		%Rec	1	8/8/2023 12:03:14 PM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/7/2023 6:15:35 PM	76684
Surr: BFB	99.3	15-244		%Rec	1	8/7/2023 6:15:35 PM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	8/7/2023 6:15:35 PM	76684
Toluene	ND	0.046		mg/Kg	1	8/7/2023 6:15:35 PM	76684
Ethylbenzene	ND	0.046		mg/Kg	1	8/7/2023 6:15:35 PM	76684
Xylenes, Total	ND	0.092		mg/Kg	1	8/7/2023 6:15:35 PM	76684
Surr: 4-Bromofluorobenzene	112	39.1-146		%Rec	1	8/7/2023 6:15:35 PM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2308289

Date Reported: 8/14/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-30

Project: Salazar 12pc July 2023

Collection Date: 8/3/2023 10:45:00 AM

Lab ID: 2308289-016

Matrix: SOIL

Received Date: 8/4/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	8/8/2023 5:29:52 PM	76733
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/8/2023 12:14:13 PM	76693
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/8/2023 12:14:13 PM	76693
Surr: DNOP	99.7	69-147		%Rec	1	8/8/2023 12:14:13 PM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/8/2023 12:41:42 PM	76684
Surr: BFB	100	15-244		%Rec	1	8/8/2023 12:41:42 PM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	8/8/2023 12:41:42 PM	76684
Toluene	ND	0.048		mg/Kg	1	8/8/2023 12:41:42 PM	76684
Ethylbenzene	ND	0.048		mg/Kg	1	8/8/2023 12:41:42 PM	76684
Xylenes, Total	ND	0.095		mg/Kg	1	8/8/2023 12:41:42 PM	76684
Surr: 4-Bromofluorobenzene	113	39.1-146		%Rec	1	8/8/2023 12:41:42 PM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2308289

Date Reported: 8/14/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: ENSOLUM

Client Sample ID: S-31

Project: Salazar 12pc July 2023

Collection Date: 8/3/2023 10:50:00 AM

Lab ID: 2308289-017

Matrix: SOIL

Received Date: 8/4/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	8/8/2023 5:42:13 PM	76733
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/8/2023 12:25:13 PM	76693
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/8/2023 12:25:13 PM	76693
Surr: DNOP	101	69-147		%Rec	1	8/8/2023 12:25:13 PM	76693
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/8/2023 1:05:21 PM	76684
Surr: BFB	103	15-244		%Rec	1	8/8/2023 1:05:21 PM	76684
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	8/8/2023 1:05:21 PM	76684
Toluene	ND	0.047		mg/Kg	1	8/8/2023 1:05:21 PM	76684
Ethylbenzene	ND	0.047		mg/Kg	1	8/8/2023 1:05:21 PM	76684
Xylenes, Total	ND	0.094		mg/Kg	1	8/8/2023 1:05:21 PM	76684
Surr: 4-Bromofluorobenzene	114	39.1-146		%Rec	1	8/8/2023 1:05:21 PM	76684

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2308289

14-Aug-23

Client: ENSOLUM

Project: Salazar 12pc July 2023

Sample ID: MB-76728	SampType: MBLK		TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 76728		RunNo: 98812							
Prep Date: 8/8/2023	Analysis Date: 8/8/2023		SeqNo: 3599983		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-76728	SampType: LCS		TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 76728		RunNo: 98812							
Prep Date: 8/8/2023	Analysis Date: 8/8/2023		SeqNo: 3599984		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.3	90	110			

Sample ID: MB-76733	SampType: mblk		TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 76733		RunNo: 98815							
Prep Date: 8/8/2023	Analysis Date: 8/8/2023		SeqNo: 3600091		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-76733	SampType: lcs		TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 76733		RunNo: 98815							
Prep Date: 8/8/2023	Analysis Date: 8/8/2023		SeqNo: 3600092		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
E Above Quantitation Range/Estimated Value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2308289

14-Aug-23

Client: ENSOLUM

Project: Salazar 12pc July 2023

Sample ID: 2308289-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: S-15	Batch ID: 76693	RunNo: 98807
Prep Date: 8/7/2023	Analysis Date: 8/8/2023	SeqNo: 3599634 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	53	9.4 46.95 0 112 54.2 135
Surr: DNOP	4.9	4.695 104 69 147

Sample ID: 2308289-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: S-15	Batch ID: 76693	RunNo: 98807
Prep Date: 8/7/2023	Analysis Date: 8/8/2023	SeqNo: 3599635 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	50	9.3 46.38 0 108 54.2 135 4.52 29.2
Surr: DNOP	4.6	4.638 99.2 69 147 0 0

Sample ID: LCS-76693	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 76693	RunNo: 98807
Prep Date: 8/7/2023	Analysis Date: 8/8/2023	SeqNo: 3599656 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	51	10 50.00 0 102 61.9 130
Surr: DNOP	4.8	5.000 96.3 69 147

Sample ID: MB-76693	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 76693	RunNo: 98807
Prep Date: 8/7/2023	Analysis Date: 8/8/2023	SeqNo: 3599657 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND	10
Motor Oil Range Organics (MRO)	ND	50
Surr: DNOP	9.5	10.00 95.1 69 147

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
E Above Quantitation Range/Estimated Value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2308289

14-Aug-23

Client: ENSOLUM**Project:** Salazar 12pc July 2023

Sample ID: ics-76684	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 76684		RunNo: 98762							
Prep Date: 8/4/2023	Analysis Date: 8/6/2023		SeqNo: 3597519		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.4	70	130			
Surr: BFB	2000		1000		201	15	244			

Sample ID: mb-76684	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 76684		RunNo: 98762							
Prep Date: 8/4/2023	Analysis Date: 8/6/2023		SeqNo: 3597520		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		98.7	15	244			

Sample ID: 2308289-001ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S-15	Batch ID: 76684		RunNo: 98768							
Prep Date: 8/4/2023	Analysis Date: 8/7/2023		SeqNo: 3598727		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.7	23.72	0	87.5	70	130			
Surr: BFB	1900		948.8		204	15	244			

Sample ID: 2308289-001amsd	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S-15	Batch ID: 76684		RunNo: 98768							
Prep Date: 8/4/2023	Analysis Date: 8/7/2023		SeqNo: 3598728		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.7	23.72	0	86.8	70	130	0.826	20	
Surr: BFB	1900		948.8		200	15	244	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
E Above Quantitation Range/Estimated Value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2308289

14-Aug-23

Client: ENSOLUM

Project: Salazar 12pc July 2023

Sample ID: LCS-76684	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 76684		RunNo: 98762							
Prep Date: 8/4/2023	Analysis Date: 8/6/2023		SeqNo: 3597523		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	103	70	130			
Toluene	1.0	0.050	1.000	0	102	70	130			
Ethylbenzene	1.0	0.050	1.000	0	104	70	130			
Xylenes, Total	3.2	0.10	3.000	0	106	70	130			
Surr: 4-Bromofluorobenzene	1.1		1.000		114	39.1	146			

Sample ID: mb-76684	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 76684		RunNo: 98762							
Prep Date: 8/4/2023	Analysis Date: 8/6/2023		SeqNo: 3597524		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		115	39.1	146			

Sample ID: 2308289-002ams	SampType: MS		TestCode: EPA Method 8021B: Volatiles							
Client ID: S-16	Batch ID: 76684		RunNo: 98768							
Prep Date: 8/4/2023	Analysis Date: 8/7/2023		SeqNo: 3598750		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9747	0	105	70	130			
Toluene	1.0	0.049	0.9747	0.01681	105	70	130			
Ethylbenzene	1.1	0.049	0.9747	0.01127	108	70	130			
Xylenes, Total	3.2	0.097	2.924	0.05063	109	70	130			
Surr: 4-Bromofluorobenzene	1.1		0.9747		115	39.1	146			

Sample ID: 2308289-002amsd	SampType: MSD		TestCode: EPA Method 8021B: Volatiles							
Client ID: S-16	Batch ID: 76684		RunNo: 98768							
Prep Date: 8/4/2023	Analysis Date: 8/7/2023		SeqNo: 3598751		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.024	0.9662	0	102	70	130	4.01	20	
Toluene	1.0	0.048	0.9662	0.01681	102	70	130	3.96	20	
Ethylbenzene	1.0	0.048	0.9662	0.01127	104	70	130	4.21	20	
Xylenes, Total	3.1	0.097	2.899	0.05063	105	70	130	4.90	20	
Surr: 4-Bromofluorobenzene	1.1		0.9662		111	39.1	146	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank
E Above Quantitation Range/Estimated Value
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: ENSOLUM

Work Order Number: 2308289

RcptNo: 1

Received By: Tracy Casarrubias 8/4/2023 6:50:00 AM

Completed By: Tracy Casarrubias 8/4/2023 7:08:44 AM

Reviewed By: *[Signature]* 8-4-23

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☒ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: *JW 8/4/23*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions: Phone number is missing on COC- TMC 8/4/23

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.1	Good	Yes	Yogi		

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 275900

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 275900
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	2/2/2024